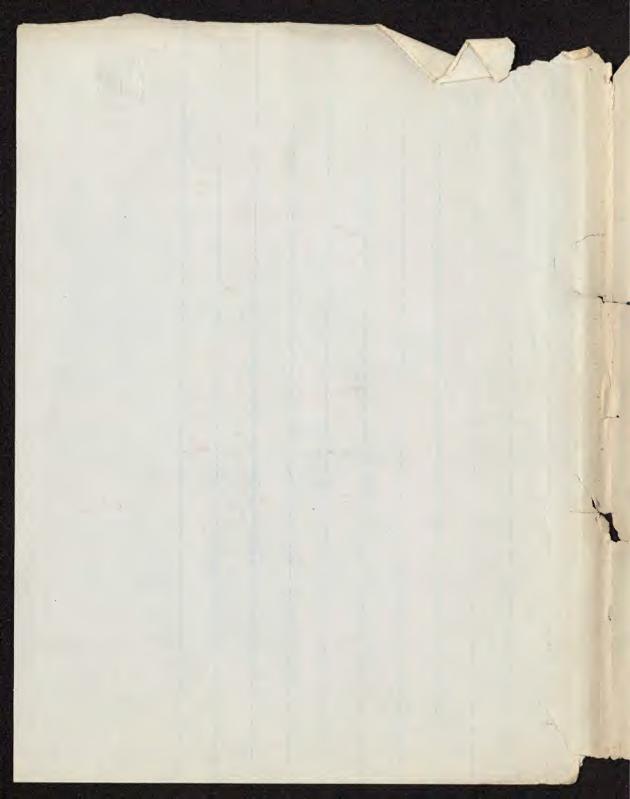
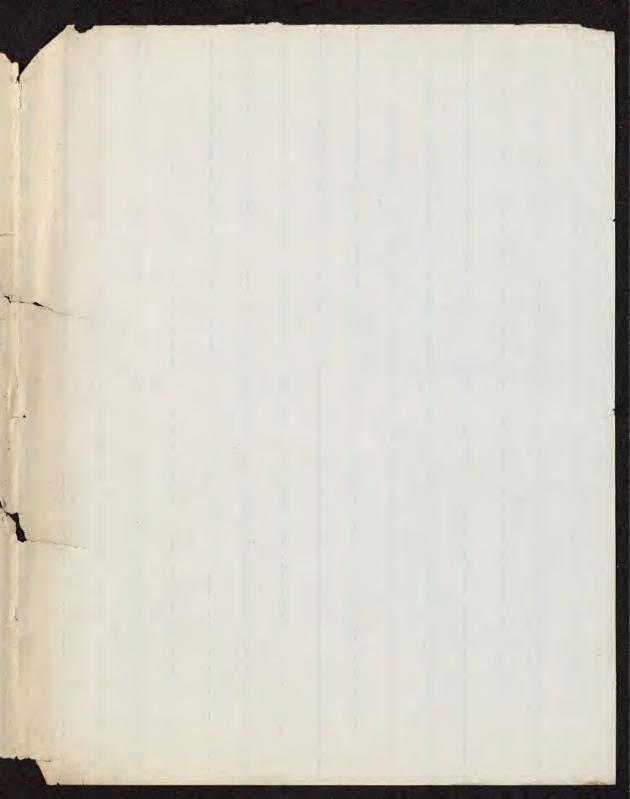


Food de accessory Food Tea, Coffee, Cocoa de alcohol!





In Frankford Germany, water from a chemical manufactory had this effect; Stone or calculus is supposed to be caused in the same way. In Russia, Novwich Eng., and Kentucky this is very Goitre, or enlargement of the thy-roid gland is common in the low valleys of the Himalayax, Alfr &c. It is due to a combination of causes. consingnor Dampness, chilliness and the exclusion of light, intermarriage, and above all bad water are the causes. Thena ter is found by those who made the observation, to contain an excess of line and magnesia. Removing the patient often cives him. We are now readytopass to the ACCESSORY FOOD. accessory food, that is such as is visitanticessare, but in many coronatares useful, The condiments: pepper, mustard, CONDIMENTS salt and vinegar, come first. They are useful when there is a debility of the aligned and in perfect health.

I Punishmust once in blothand to deprive crimi-

They are moderate stimulants. Their are unnecessarif though beleaving and explained for storm and explained for storm and explained for the sure of storm above par, or if below, up to it. When there of stimulants is injurious. Enhaustion FOR CHICAGO OF Diemulants is information follows it. In the case of children and healthy persons, stimulants Duglit not be given. The simplest diet is always the best for health. TROPICAL THERE are however, persons who need stimulation i Expecially in hot climates and warm seasons are they be expected when there is a tendency to relanation of the alimentary canal. These slimulants are the products of hot climates; and are It adapted to SALT. Salt, though a condiment is necessary to those far inland. Wear the sea it is not so necessary because the veg etation and everything else possesses it Sepper is of two kinds. The black PEPPER.

Piper migrum Tatas in Jamaica Capicum annum

of S. am, XW, hiles
" Fastignatum

of Court spenmer. brick dust

LAD'A. L. ASHBRIDGE & CO. TIONEERS, No. 505 MARKES prities. ED POWELL' & WEST, AU is the milder WED. BARRITT & CO., AUCTION Recums, red pepper iganted. CARRIAGES, &C. Q evenused a medicin sir. INITED STATES NATION As to must eserved awism WAGON AND COACH WMarks MUSTARD. DINING-ROOM FURNITURE A ver-ware, China-ware, Knives, For fly. In large linen. &c.
LIQUOFS.—Also a choice selection
Brandies, Gins, Whiskles, Segars, &c.
FIXTURES.—Also the Gas Fixtures
liers, A whings, Lamps, Kitchen Uter
MARBLE BAR.—Also the Ma
Shelves, Fire-proof Sate, &c.
LEASE.—Also the Good will and I
January 1, 1867, for Three years.

*** May be examined with Calalo
days before the sate.

*** Sale without reserve or limit
of the Sheriff. it is an emel Vinegar io. VINEGAR. anli-scorbule All these ealto. B. SCOTT, JR., AUCTIC adulteration Sale at 29 South Sixth street STOCK OF A WHOLESALE AND
BLANK BOOK AND STATIONERY
FRIDAY MORNING,
16th inst., at 10 o'clock, on the pr mh25-1v lains woods hear &c. Fed contains Buying them whole is a sure protectio Mystard is not often adulterated. white is the more agreeable. Spices, likewise SPICES. oregin. Ihe same hei arest len in hot climate and Liver BEVERAGES. condements the beverages. Some

The Pepper Plant.

The three important peppers commonly found on he dinner table are white, black and cayenne, all natives of the tropics. There is a tariety of the genus piper to which the white and black peppers belong—cayenne being a member of the genus capsicum called so, from a Greek word which signifies to bite. The variety is a great favorite with housekeepers and cooks, and has received from them the flattering name of "all-spice," as it combines in itself the flavor of cloves, nutmeg and cinnamon, it grows plenhifully in Jamaica and other American islands, where it was first discovered by the Spaniards, who gaye it the name of Pimenta de Jamaica. The French call it the "round clove."

Black pepper is cultivated in large quantities in Malacca, Java, and especially at Sumatra, the trade of these places being almost exclusively in these spices. A pepper carden during the ripening of the pod is a lovely sight, being a large plot marked at into regular squares of six feet, in each of which are planted young trees called chinker cass, that serve as props to the pepper vines. When the prop has reached twelve feet high, it is out off and the vines planted, two to each prop. A vine is three years in coming to maturity, and the fruit, which grows in long spikes, is three or four months in ripening. The berries are plucked as soon as ripe, and spread on mats on the ground to dry, by which process they become black and shrivelled, and are imported here as black pepper.

fiper migrum

Tates in Jamaica

Capicum annum of S. am. +W. Miss. ", Fastignature of Coast of Fennes.

brick dust

1

L. ASHBRIDGE & CO. TIONEERS, No. 505 MARKE urities. POWELL' & WEST, AU apriciem, or If the mild. red pepper as a medicar. INITED STATES NATION WAGON AND COACH Wemarks ap As to miceserved ply. In large quantities, whe Bastlest it is an emetic. Imapo Alla & Nigra feeds. Vinegar is, by some, thought to be VINEGAR. anti-scorbutic. If so, it is only slight All these substances are liable to adulterations. Black pepper often contains woody fibre, saw dust, ground pear, &c. Fed contains brick dust. Buying them whole is a sure protection. Mustard is not often adulterated. The while is the more agreeable. Vingarite 503 Spices, likewise, are of tropical SPICES. origin. The same much the them. They are often required bydes pepties, such best in hot climates and in Lumines. Leaving the condiments we nextcome to the beverages. Some kind of while exhibiting beverage is taken all the world over from Paraguay, to fab se le ageneral demand,

The Panner Blant
The cayenne of commerce is the grain or seed of capsicum ground and mixed with flour, and then baked into little cakes in flour, and then baked into little cakes in an oven; these are again broken up and mixed with more flour and placed in jars for sale. The tree or plant is very beautiful, and forms a great ornament to a garden, but it is very tender and requires much care. It is more pungent than either white or black peppers, and is often adulterated with logwood, manogany sawdust, and red lead this latter can however be and red lead; this latter can, however, be easily detected by placing a spoonful carefully in a glass of water, when, should it contain any red lead, it will from its specific gravity, quickly drop to the bottom, while the cayenne will sink but slowly.

which pepper is cultivated in large quantities in Malacca, Java, and especially at Sumatra, the trade of these places besumatra, the trade of these prices being almost exclusively in these spices. A peoper garden during the ripening of the pod is a lovely sight, being a large plot marked by into regular squares of six feet, in each of which are planted young trees called chinkureens, that serve as props to the peoper vines. When the prop has to the pepper vines. When the prop has reached twelve feet high, it is out off and the vines planted, two to each prep. A vine is three years in coming to maturity, and the fruit, which grows in long spikes, is three or four months in ripening. The berries are plucked as soon as ripe, and spread on mats on the ground to dry, by which process they become black and shrivelled, and are imported here as black pepper.

tiper myrum

Capsicum annum

& S. am, & W, Miles
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& Coast of Fermen.

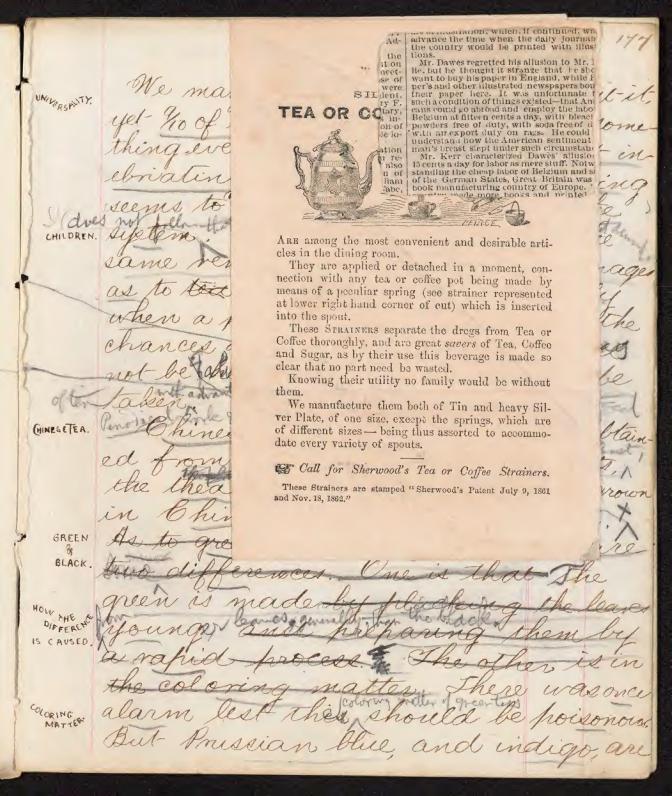
brick dust

Eyer Negrum red pepper is too strong, being evenused As to mustard the same remarks ap ply. In large quantities, like Babilier it is an emetic. Imapo Alba V Nigra freets. Vinegar is, by some, thought to be anti-scorbutic. If so, it is only slight All these substances are liable to adulterations. Black pepper often contains woody fibre, saw dust, ground pear, &c. Red contains brick dust. Buping them whole is a sure protection. Mustard is not often adulterated. The while is the more agreeable. Vineywrith 503 origin. The same with apply to them. They are often required by dep pepties, I suit best in hot climates and in Luminer. fearing the condiments we nestcome to the beverages. Some kind of while exhibiting beverage is taken all the world over from Paragray, to fab rador, There is a general demand.

The most extensively used England, Sholland and Russia, as well min the france, bringly drunk; in the East, well to the Spain that America, Seeman & the United States, coffee in Italy of coffee are cocoa. In the Ustates, over 2000 mill. pounds of coffee are cocoa. In the Ustates, over 2000 mill. pounds of coffee are annually (1868); of tea, over 30 million pounds. The abundany been fartially material in in Verginer - Others since & hasen, up to 35 ni Lat. Widy how mounting in Caufornia.

In S. Carolina now (1871) Inecreeful

In Termonsel



STIMULANTS AND NARCOTICS .- A recent German treatise on stimulants and narcotics estimates that infusion of coffee leaves is used by two million persons, Paraguay extensively used tea by ten million persons, chicory, either pure or mixed with coffee, by forty million persons, cocoa, either as chocolate or in some other form, by fifty million persons, and cocod. In coffee by one hundred million persons, Betel is chewed by one hundred million persons, hashish is chewed or smoked by Character of the world.

Capland, Ololland and Russian, as well to the world.

Capland, Ololland and Russian, which to Spain from the world.

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Character of the world. annually (1868); of tea, over 30 million pounds. The abriday been partially materialized in Others some & In asea, up to 35 n. Lat. W. of thook mountains, in Collowing Land S. Carolina non (1871) Successful to M. Fernessel

one ma elmalin same ver when a

GREEN BLACK.

SHERWOOD'S

TEA OR COFFEE STRAINERS



ARE among the most convenient and desirable articles in the dining room.

They are applied or detached in a moment, connection with any tea or coffee pot being made by means of a poculiar spring (see strainer represented at lower right hand corner of cut) which is inserted into the spout.

These STRAINERS separate the dregs from Tea or Coffee thoroughly, and are great savers of Tea, Coffee and Sugar, as by their use this beverage is made so clear that no part need be wasted.

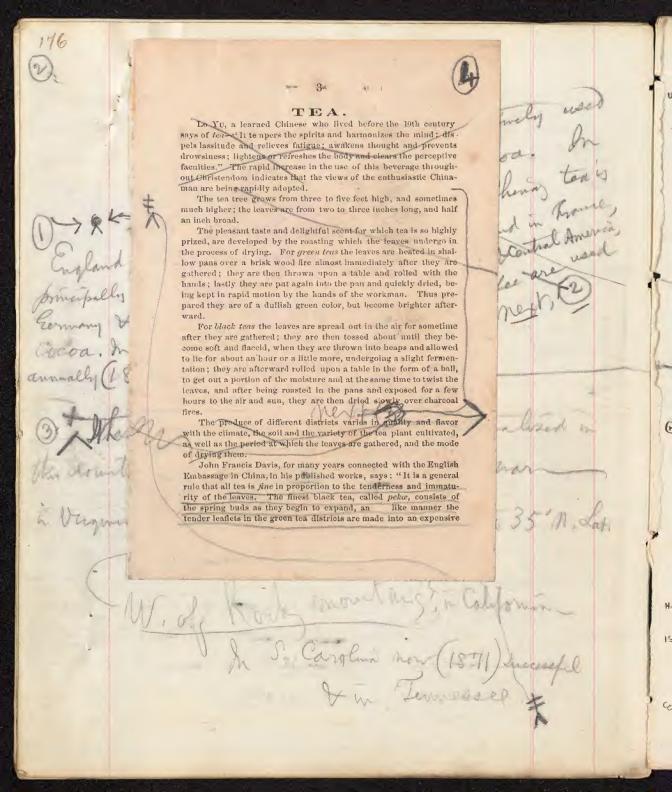
Knowing their utility no family would be without them.

We manufacture them both of Tin and heavy Silver Plate, of one size, except the springs, which are of different sizes - being thus assorted to accommodate every variety of spouts.

Call for Sherwood's Tea or Coffee Strainers.

These Strainers are stamped "Sherwood's Patent July 9, 1861 and Nov. 18, 1862,"

But Amescian blue and indigo, are



w f 26trp* Third Street, Philadelphia. BOWEN & FOX, one may nxl-it thing live with the York, Boston and Baltitore.

Orders executed in New York, Boston and Baltitore.

Orders executed in New York, Boston and Baltitore.

Orders executed in New York, Boston and Wyre. STOCK BROKERS, & some ul-in ebriating. Them of LOG INVERTINEN wino dues not telle to show has demaron the same remarks apply to the beverage as to tout and pepper wet is only when a person grows up, when the not be showing that they expected be Penor Chinese tea is the best list is obtained from the leaves of two species, the thea virilis & vote a . It is grown in China, Asam, and Sapan, GREEN As to green and black to a there are BLACK. Live differences. One is that The younger assist proparing them by a rapid process. The other is in alarm lest their should be poisonous. COLORING MATTER But Prussian blue, and indigo, are

Tea-Growing in Iowa. [From the Devison (Iowa) Review.] We have learned of a most important discovery, one that affects every citizen of our land, and one that will add immense wealth to our nation, and revolutionize one of our most important commercial trades. It is almost too important a one to be easily believed, being no less than that tea has been grown in Crawford county, and can be grown here in profusion, and fully as good, if not better, than that we now import. About eighteen months ago an elderly gentleman came to this place, look-around with those two to three inches long, and half The pleasant taste and delightful scent for which tea is so highly prized, are developed by the roasting which the leaves undergo in the process of drying. For green teas the leaves are heated in shallow pans over a brisk wood fire almost immediately after they are gathered; they are then thrown upon a table and rolled with the hands; lastly they are put again into the pan and quickly dried, being kept in rapid motion by the hands of the workman. Thus preprincipally pared they are of a dullish green color, but become brighter afterward. For black teas the leaves are spread out in the air for sometime after they are gathered; they are then tossed about until they be-Cocoa. In come soft and flaccid, when they are thrown into heaps and allowed to lie for about an hour or a little more, undergoing a slight fermentation; they are afterward rolled upon a table in the form of a ball, dunually (18 to get out a portion of the moisture and at the same time to twist the leaves, and after being roasted in the pans and exposed for a few hours to the air and sun, they are then dried slowly over charcoal The produce of different districts varies in quality and flavor with the climate, the soil and the variety of the tea plant cultivated, as well as the period at which the leaves are gathered, and the mode of drying them, John Francis Davis, for many years connected with the English Embassage in China, in his prolished works, says: "It is a general rule that all tea is fine in proportion to the tenderness and immaturity of the leaves. The finest black tea, called peke, consists of the spring buds as they begin to expand, an tender leaslets in the green tea districts are made into an expensive In Termosep

We may argue as we like against it. yet no of the human race takes someebriating. This universal craving dues not tell the four meaning with the were the same remarks apply to the beverages as to took and pepper wet is only when a person grows up, when the chances are ten to one that he wises not be showed by that they approved be last the forest is obtained by the best will is obtained by the best with the best of ed from the leaves of two species, the thea virilis & both a dris grown in China, Assam, and Lapan. GREEN As to green and black tea there are BLACK. Leve differences. One is that The green is mader by file then by a rapid process. The other is in the coloring matter There was once alarm lest their should be poisonous. But Anissian blue, and indigo, are

End of 9th Seture, 1870. & Lehram & Birkin's experiment - 1 3 - wish, & Coffee It has been made doubtful by some experiments. hongo gunk note proking ten. Alato, Field bol we to possed on. Parl. Typor ir a lecture put End of 24th Lecture, 1872. 1873, 1873, asent, without reform to an unitable see & coffee as a granme atopia.

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SHERWOOD'S

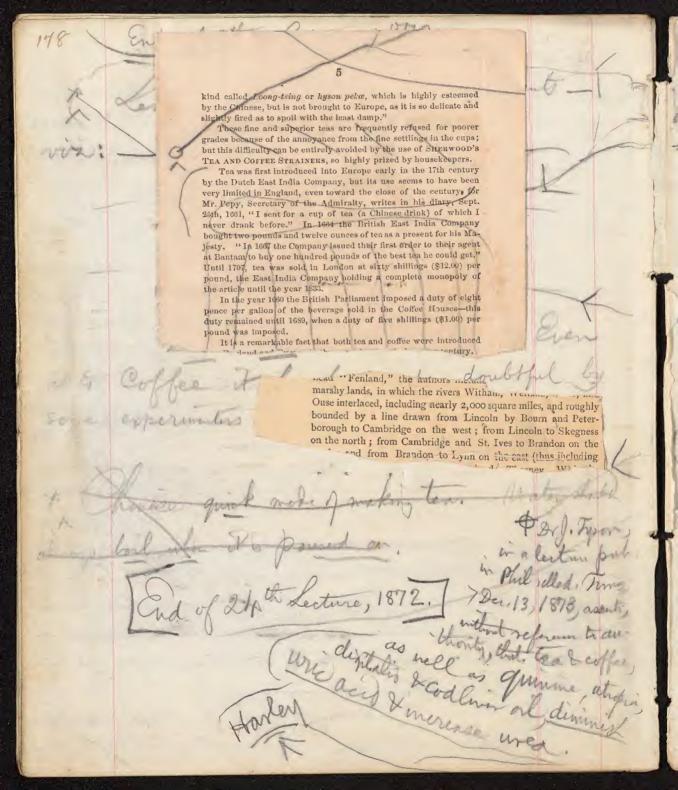
es in

OR FAUCET STRAINERS



ARE made expressly to fit Faucets, and when attached to Tea or Coffee Urns accomplish the same desirable result which the Tea or Coffee Strainers do when attached to Tea or Coffee Pots; and they are alike useful when applied to all Faucets through which are drawn oils syrups, compounds, spirits, or any liquids

relard the formation COFFEE. the sustemance On the variation in the amount of urea excreted under normal nourishment, and under the influence of esibility in tea and coffee, by M. E. Roux. The author found that these substances very largely increase the amount of both urea and chlorine voided in the urine, if they be taken after abstinence from them, but that when continuously used, the quantity gradually returns to its normal amount. Hence he regards this action as that of the washing but of willed their is or Lea contains gluten, starch GLUTEN, tannin (shown by its coloring STARCH, MINNAT OIL. rote) and an aromalic oil on which its flavor depends. Only the best- have with meneral amount of this. The Chinese often add flowers FLOWERED TEA, to tea and some of these teas bring a high price, though much inferior to five tex A year or two ago a company



the worst thing used, and they are not injurious in the quantities in Turick they are used. Black tea is the best; green is too slimulating. The active principle THEIN. of tea is their, isomeric with caffein à nitrogenous principle. Liebig says that these nitrogenous alkaloids contribute some mutriment, but they act more as stimulants. COFFEE. Coffee retardenthe formation of tissue I makes food go further. It contributes to the sustenance. There is great plausibility in this : view, but the question is still ofen. Concentrated their is a poison. Jea contains gluten, starch, tannin (shown by its coloring lasports), and an aromalic oil on which its flavor depends. Only the best have sitt & Considerable amount of this, The Chinese often add flowers to tea and some of these teas bring a high price, thout much inform to fine tex A year or two ago a company was

* Ceanothus in New Jerry Zen 1001 Constituents of Jea. 1. I hein; I per cent the minimum 3/2 maximum 2. Volatile Oil; I per cent, maximum.
3. Gluten; 20 to 25 per cent. In China made interpolario 4. Jannie Aejed.
4. Jannie Aejed.
5. Starch, Gum, Fat, Sc. & Egypt, Coffee make in cup. 1. Caffein; 3/4 per cent minimum. (Ichuston) 2. Volatile Oil & Ompyreumatic Oil. 873 3. Gluten; 13 per cent. 4. Astringent Principle, like Tannin. 5. Fat and Entractives. Con Cotton 2. Volatile Oil, chiefly empyreumatic. 3. Fatty Substance (cocoa butter) 36 per cent. 4. Starch. 5. Gluten, a considerable amount. > (surfer board also p. 196)

reporthe general nervous system on the caffein; for tea and coffee have not the same effect. The defend on the combination of caffein's volatile oil CAFFEINS S' If the theory be true, that coffee retards the waste of lisene, we can understand the instinct which leads working into king and Europe in the same decide of the same dany take it three times The mode of making tea in Russia is as follows: "The tea is put into a tea-pot, boiling water poured over it, and after standing two minutes, it is poured out into glass tumblers used by coffee placed on glass saucers, sweetened with sugar and flavored with a slice of lemon. No milk is used. Being left to stand longer than two minutes is supposed to impair its flavor, by bringing out the wing the cause. coarser qualities of the leaves. Made this way it has a clear and sparkling appearance, when poured out into the tumbler." This has been proved by the dyspepsia disappearing when the use of coffee was stopped. Neverisness and palpitation as sound NEXTOUS NESS PALPITATION by coffee & Pereira & Hammond Think this is not so, but they must be mista Coffee is of great value in emergen VALUE ON COFFER EMERGENCIES. grag. Drs. Kane & Hars found it to be gradet in Arctic climates. In the army, coffee has been found to be ARMY the soldier's best friend as white you worst enemy. For such uses it should be reserved:

Ceanothus in New Jerry Zen. Constituents of Jea. 1. Thein; I per cent the minimum 3/2 maximum which it is desired to separate the dregs. naximum. interpologie Just when used. No. 1-13 INCH DIAMETER. No. $2-2\frac{1}{8}$ inches diameter. & Japan, in cup. These Strainer pe mode wing, in a Egypt, Coffee probe in cup. Caffein; 1/4 per cent (waralle) in (deluston) 2. Volatile Oil & Empyreumatic Oil. 3. Gluten; 13 per cent. 4. Astringent Principa,
5. Fat and Entractives.
Cocoa. 2. Volatile Oil, chiefly empyreumatic. 3. Fatty Substance (cocoa butter) 36 per cent. 4. Starch. 5. Gluten, a considerable amount. > (suita board also p. 196)

reporthe general nervous existen come on the caffein; for tea and coffee have confernation of caffein's rolatile oil If the theory be true, that coffee retards the waste of lisene, we can understand the instinct which leads working men to use it. Many take it three times Depensia is often caused by coffee This has been proved by the dyspepsia disappearing when the use of coffee was NEXTOUS NESS PALPITATION. Networksness and palpitation are counted stopped. by coffee & Pereira & Hammond Think this is not so, but they must be mista-ken. By Jakell again the service of great value in emergen grog. Drs. Rane & Hays found it to be graded in Arctic climates. In the army, coffee has been found to be the soldier's best friend, a while you wonst enemy. For such uses it should be reserved:

Conlier of Garris proposer in a test all the fact that pure coffee will float while on boiling water from dising agreement of CO2; while chico. - my will sink. In buying the whole grains there can be liste note of being deceived. But even they are sometimes countefected! But about they middle iffer. a small Apretty tree , Somported many for

ject of investigation with chemists, from the time SUBSTYTUTES FOR COFFEE. t-is used intent= Unel of Berzelius down. CHICCORY for m an adultera LABORATORY NOTES. iona DESTROYING AMMONIC CHLORIDE. - Prof. J d here by the Lawrence Smith recommends the use of nitric acid for destroying any excess of ammonic chloride tha may be present in an analysis. The solution is evaporated to a small bulk, and then an excess of nitric acid added and the liquid gently evaporated to dryness. The chloride of ammonia passes off as protoxide of nitrogen and chilorine. This method 170. was first published by the professor about twenty years ago, in his celebrated paper upon alkaline hat it seems to have been generally over-DANDELLON ADVLTERATION DETECTION. discorpered iron not formy green with it is obtained from COCOA. is a kind Cracked Es

RYE COFFEE IN EUROPE. - A Strasburger named Rockmann Oloffen has prepared a substitute for coffee by taking pulverized and roasted rye malt, mixing with it 10 its weight of barley malt and some caramel, and exposing it to the vapor from roasting genuine coffee. In this manner part of the aroma always lost in roasting coffee is made use of to flavor the rye coffee. If we accept the conclusions of Aubert, that no caffeine is lost in roasting (see "Chemistry of a Cup of Coffee" in December number of this journal), the rye coffee has none of the poisonous properties of this alkaloid, and is preferable to the genuine. The discovery is said to have been already patented in Engboiling water from dising agreet of Con; while chico. - my will sink. In buying the whole grain there can be little note of being deceived. But even they Sometimes countefected! Best what I mitale to of South america. setty tree , Emported many for

SUBSTITUTES
FOR
COFFEE.

CHICCORY.

CHICCORY. titules forcoffee. It is used intent is an adultera. d here by the Ger is wild about pretty the flow-To bad substitutes DANDELLON Danver 111 to to gette is quite pleases, and according to the theory laid down now the solution that water making a colored solution in water. It may also be discovered by the persalts of iron not forming your with it, is with coffee. A COCOA. Cocoa is obtained from the theobroma cacao The Mexican name is chocolath. The fruit is a kind of melon. It is prepared in several ways. It is roalled thole; Ind. the husk is stripped (cracked cocoa); and 3rd It is ground to haste and mixed There are also secondary preparations.

188 Coco - Colomos Enteredada (assessed by hitre "leng formacons tuhons test apply the * Con At while on fact that is boiling water from dising agreet of CO2; while chico. - my will sink. In buying the whole grains there can be but note of being deceived. But even they are Rocket when the generality affects sometimes countefertal! of South america. & a small Apretty tree , Suported main for Caraocis.

There are many substitutes forcoffee SUBSTITUTES FOR COFFEE. One of these is Chickory. It is used intent-ionally in Europie; and as an adulteration here. It was imported here by the Germans, and now grows wild about Germantown. It has a pretty thee flow. er. It is by no means a bad substitute. DANDELION Dandelion At with 's coffee is quite fewer, and according to the choose laid down more affoliosetetter than moffee Whit, me acome coffee. They maly will checked by hits making lits accorded solution in water. It may also be discorted by the persalts of ison not forming green with it is with coffee. I COCOA. Cocoa is obtained from the theobroma cacao The Mexican name is chocolath. The fruit is a kind of melon. It is prepared in several ways. It is roalled thole 2nd che husk is stripped (cracked cocoa); and 3rd It is ground to haste and mixed There are also secondary preparations.

6 Cooke (Princip of Chem. Hillsofty) Says that caffeen is methyl-theobromin; theobromin can be converted into caffein by Substitution. Ambolat & D'Orligny, Von Tschudi, Abeddell * Coco is an actable stand, for a tree, Cocoa-mut again different: fruity Cocos murifer Cacao Great Coca (enchroylar)
Cocoa mut (Cocos mail)
coca starch from a tropical tree (W. 1) Colorado establish

Catrolloxygen. Cocoa has theobromin, a principle con taining mitrogen ! It Readons . 56 per cent of the trinciple to has a lee cocoa butter a favorite application for bruises. Cocoa is therefore nour Then dilubid it to a very good drink all adapted to invalids. It is not as stime thought flash of South America.

It is very powerful. When chewed with a little lime, it enables men to do without food & sleep for days. By it who are enabled to ascend steep mount-Humboldt and others, and all though probable mental enaggerated, have no doubt Excess. some foundation. Excessive consumpt ion of it is injurious. Coqueros - sols = Prof. Jackson imported some butuas disappointed in their not producing the desired effect. It is doubtful if they really were the coca leaves. On the under

* Bruth, on all subjects, Entropy, is the best thing not only to hold but to advocate as torch By asserting what Science cannot justify and experience dow not prove, about alcohol, ultra men rather heart than helped the cause of temperance. Let us examine briefly yet carefully what a proved to be true on the subject.

mente ede 1 the leaf. (1) side there should be a not parallel to the mid-nib, In none of Ellis precimens, was this present.

RESINOUS JE Coca contains an resingue and are unPRINCIPLES. Crystallizable principle: also tannic acid

ARSENIC. As a guriosities of the may be mentioned arsenic. In Susia it is entered daily to improve their condition. Coachmen sometimes give it to their horses, to make LADIES. them sleek Ladies tope it to give themselves monthogers a good complexion. Mountaineers extent to enable them to climb mountains. If its irse is stopped suddenly, it endangers ALCOHol Butte most important article of oic-Cessory food is <u>alcohol</u>. It is so power-power. fully that many think it would be a fles-sing if it could be annihilated; while OPPERENCE without and other middle than it-Arene This is not a found onen Expand * The composition of alcohol would lead

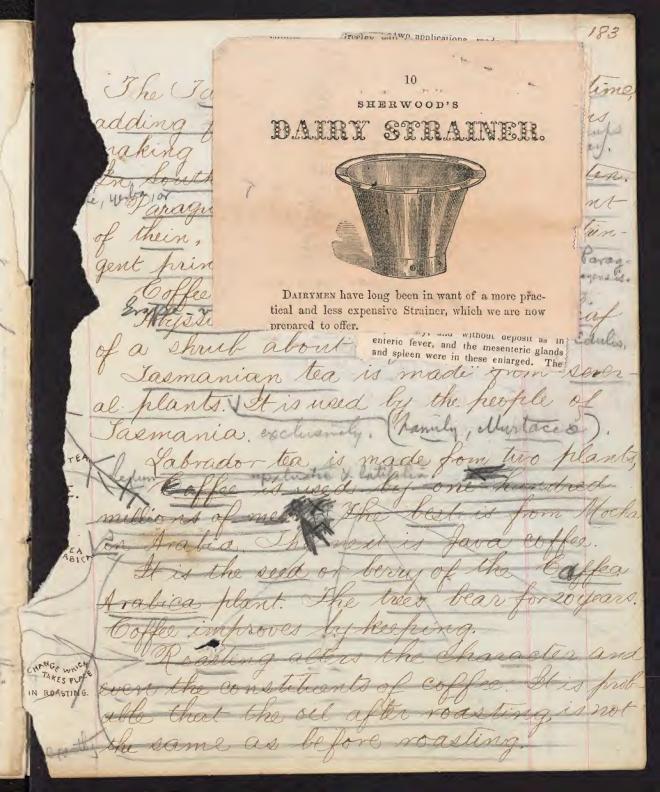
We use, much more food for force than for tissue. Then who die of standing perish much downer than they would from mere disability of theorgan from waste of lissue. Every hear of the heart, oney lifty of the chees in breath, every peristellic combination of the That the force used in musular offert is not generaled been show; and experiments recently miss of the wood, - detector idea long entertained, that the amount of passed from authorition of brain whater the amount of phosphates for the circums of brain whater the then, also from the comments of the changes of its meterials to mell as musile force, & organic force for the general vital actions of the body.

formed to make tea from a Penin SWINDLE THIS STATE. sylvania plant. This plant does not contain a particle of their Long boiling drives off the aroma BOILING. which does not contribute much to nour ishment but gives a pleasant laste. The Chinese hour hot water on leaves CHINESE & in a cup and their down with minutes For family use the water should be boiling when the tea is full in-to it. Standing draws onling, the though but, and were causes loss farona, Lecture 1X. The most universal beverages are TEN COCOA. tea, coffee, and cocoa, In England Holland and Hussia, tea is used; in France, Germany, With hir Key, coffee; and intaly, Spain, and Cen-STALY tral America, cocoa Half the human SPAIN, CENTRAL vale drink tea of how to 1 her cent-THEIN. of thein; about 10 grs. to an oz. By it-TEA NOURSHING. Lea is also nourishing, but aswe use it we get very little good of the

and of 10 Structure 186 - Coffee was unleasure to the neeles fromans, Some authorities as -sent it to be a nature abysorper; it is still from enter from Caffair Arstra ath bandos of the rule, writers can that to use mas first suggestite the prior of an arabian morastony, who was the by a goat hand of the effect go of citement of products on good Growing on to beings. He thought it I might help to leap his montes anales might help a stores of word available in that may, A Turked murchant (Dan. B. Symboline it with England) 18th Soctorion alimentation, 1871 now, 100 million of over reside

ouy seemed to quiver with its eager life. His judience took fire with him, and every face was flushed. Whatever might be the after-thought or The Ja the after-pursuit, each hearer, for the time, shared his zeal and his delight." SPONTANEOUS DECOMPOSITION OF AN ALLOY of LEAD. - It appears that at the University of Munich, there are preserved some copies of medals alloy - bismuth and lead DAIRYMEN have long been in want of a more practical and less expensive Strainer, which we are now prepared to offer. I, will without deposit as int wife enteric fever, and the mesenteric glands shruk about and spleen were in these enlarged. The Tasmanian tea is made It is used by the people nia. exclusively. Thankly CHANGE WHICH TAKES PLATE he same as before

182 The annual consumption of coffee, per head, in various parts of the world is as follows: England, 11 pounds to each person; France, 21; Germany, 4; Denmark, 51; Switzerland, 6; Belgium, 81; Holland, 101; United States, 7 pounds; but in California, which appears to "beat all creation" in this as in so many other things, it amounts to 163 pounds, or excluding Chinese and Indians, who do not drink coffee, to 201 pounds. - F 40 mm 300 Coffee was unlearn to the Sporans, Some authorities as It to be a nature alypsopie; is still four end for Caffair Arotra to the bandes of the rule, writers can that to use was first suggestite the prior of an arabian morastry, who was the by a goat hard of the effect Growing on its beings. He though I might help to keep his montes wrike might half to be found of available in that may A Turkind merchant (Dan Strandwithouterer ctuan alimentation of the Course, nt Pans, 16 69 now, 100 million of men



CONSUMPTION. United States and British Provinces...... Germany. France and Switzerland.....125,000,000 Holland and Belgium..... Great Britain..... Scandanavia..... Russia.... Other Countries..... 15,000,000 15,000,000 Total Before the Rebellion the use of coffee was rapidly increasing in the United States-the annual gain in consumption being about eight per cent., against two and a half in Europe; but during and since the war, in consequence of the high cost of the real, cheap substitutes have been and are extensively used, as must be manifest by the following statement of importations of coffee into this country for the years named: Importations in pounds in 1850.......145,000,000 do. 1855......190,000,000 do. do. do. do. do. do. to use was first suggestive ror of an arabian morastry, was the hya goat herd of the effect having. He though might help to temp his monks wake Turked merchant (Dan. Et apprinter der how, 100 million of onen

Democracy, not constations, made twice of the control of the treated with disdain, most elect him if he is elected at all. The Democracy, wholly until the control of the c wers The Tartars handle restr transmelled by the Cincinnati event, can view que, other as a sup Pathological Lesions in Acute Dysentery These Straf which prevails at Sedan .- Dr. John Mur-RAY presented to the Pathological Society and are st of London, Oct. 18th, 1870. a number of 1862." specimens of intestines affected by acute dysentery, which he had brought from one of the hospitals near Sedan. The large Call intestines were greatly affected; the small; intestines to a limited extent. The mucous membrane was swollen, tumid, deeply injected, and covered with minute aphthous patches. In the large intestine-especially in the colon and rectum-the mucous membrane was extensively and irregularly ulce-} rated, and patches, some not less than the area of an adult hand had completely sloughed Leaves in son away, leaving the muscular coat of the intestine bare. There was extravasation of blood into the submucous tissue. Peyer's hour about patches were in some cases ulcerated, but superficially, and without deposit as in enteric fever, and the mesenteric glands Jasmanian and spleen were in these enlarged. The CHANGE WHICH TAKES PLACE IN ROASTING. same as

CONSUMPTION. United States and British Provinces... United States and Direct 123,000,000

RScal Year, ending and During the last 125,000,000

were imported into the United States 317 30,000,000

and 51,361,699 pounds of conce, valued at \$20,902,869 15,000,000

251,017 The pounds of ica, valued at \$17, 14,000,000

Other Countries. Total Before the Rebellion the use of coffee was rapidly increasing in the United States-the annual gain in consumption being about eight per cent., against two and a half in Europe; but during and since the war, in consequence of the high cost of the real, eneap substitutes have been and are extensively used, as must be manifest by for the years named: Importations in pounds in 1850......145,000,000 · do. do. 1855......190,000,000 do. do. 1859......264,000,000 do, do. 1862...... 80,000,000 do. do. to use was first suggestion of an arabian morastony, was the hya goat her of the effect beings. He though to leup his montes anales of mor available in that may, Swatows; Turked merchant (San. Emplishedure now, 100 million of men

two applications, made twice quity, tinued from 10 to 30 minutes, his powers outhours vaps The Tartars were restored .- Révue de Thérapeutique, handle resting Sept. 1870. other as a sup Pathological Lesions in Acute Dysentery These Straf which prevails at Sedan .- Dr. John Mur-RAY presented to the Pathological Society and are st of London, Oct. 18th, 1870. a number of 1862." specimens of intestines affected by acute dysentery, which he had brought from one of the hospitals near Sedan. The large Call intestines were greatly affected; the small intestines to a limited extent. The mucous membrane was swollen, turnid, deeply inrein volai jected, and covered with minute aphthous patches. In the large intestine-especially in the colon and rectum-the mucous membrane was extensively and irregularly ulcerated, and patches, some not less than the area of an adult hand had completely sloughed bessimia, leaves in son away, leaving the muscular coat of the intestine bare. There was extravasation of blood into the submucous tissue. Peyer's shrub about patches were in some cases ulcerated, but superficially, and without deposit as in Tasmanian tea is enteric fever, and the mesenteric glands and spleen were in these enlarged. The 4. VIt is used the people panuly, other lace of CHANGE WHICH constituents of IN BOASTING. rate the oll as same as befor

Guarana a Substitute for Tea - A late number of the " Pharmaceutical Fournal" contains a paper on "Guarana," the seeds of a sapindaceous tree-the Paullinia sorbilis-which does not appear to have hitherto entered into European commerce. The guarana-yielding tree is found abundantly in the Amazonas. The fruit is125,000,000 90,000,000 scarcely as large as a walnut, and contains 35,000,000 30,000,000 five or six seeds, which are roasted, then 15,000,000 mixed with water, and moulded into a 15,000,000 cylindrical form, resembling a large sau-.....713,000,000 sage, and finally dried in an oven. Before being used it is grated, and then resembles idly increasing in cacao. Two spoonfuls of the powder are being about eight mixed in a tumbler of water, and this during and since drink, is regarded as a stimulant and nereal, cheap substist be manifest by vine tonic. Like strong tea or coffee, it is into this country said to take away the disposition to sleep. The active chemical principle is an alkaloid145,000,000 that Dr. Stenhouse has shown to be identi-.....190,000,000 cal with theine. Guarana contains more264,000,000 than double as much of this alkaloid as 80,000,000 ...104,000,000 good black tea, and five times as much as coffee, the proportion being 5.07 per cent. in the prior of an Urabian morastry, guarana.-Lancet, Oct. 22, 1870. of citement of products on goods theup his mon Turkish merchant (Dan. Et and with now, 100 million of men

outhous, oup, muy, wohil, vs The Tartars handle resting upon one side and the knob upon the other as a support. adding fat-These Strainers are made in Tin and Silver Plate, raking a m and are stamped "Sherwood's Patent, Nov. 18, no South Am 1862." i, vo paraguay Call for Sherwood's Handle Strainers. of thein, volar gent principle Enfler leaves are made in favo seamond of of a shrub about 12 ft. high Cathe shales, Tasmanian tea is made from seven al plants. It is used by the people of Jasmania exclusively, (handy, Mystaces). Labrador tea is made from two plants, millions of memor the best in Arabia In west is Java coffee. It is the seed of berry of the Caffee Arabica plant. The tree bear for 20 years. offer improves by keeping. Heading after the character and every the constituents of coffee. His prot all that the oil after roasting is not the same as before roasling

The following trees, ... red from the "American Cyclopedia," show approximately, at the time of publication, the amount of cof feel in pounds, produced by the several coffee producing countries and also the consumption in others: Brazil..... Ceylon ... St. Domingo ... Cuba and Porto Rico ... Sumatra.... x Solino Aga, Turked and asserter to brane introduced or into Pans 1669 eal, cheap substidrink, is regarded as a stimulant and nerst be manifest by vine tonic. Like strong tea or coffee, it is into this country said to take away the disposition to sleep. The active chemical principle is an alkaloid145,000,000 that Dr. Stenhouse has shown to be identi-......190,000,000 cal with theine. Guarana contains more264,000,000 80,000,000 than double as much of this alkaloid as104,000,000 good black tea, and five times as much as coffee, the proportion being 5.07 per cent. in the prior of an arabian morastony, guarana.-Lancet, Oct. 22, 1870. who was the hy a goat hand of the effect brown on its havings. He though help to leap his moules anake by help a stone of found it available in that way, A Turked merchant (Dan. Employethortere now, 100 million of men

183 The Tartars boil it for a long time, adding fat and other articles, thus raking a nowishing drink 200 30 and En South America, the leaves are laten. e, wording tea, has about 1/4 percent of thein, volatile oil, gluten, & an astrin-of a shrub about 12 ft. high, Cathe Edules, Tasmanian tea is made from sens al plants. It is used by the people of Jaemania exclusively. (hamily, Murtaces). Labrador tea is made from two plants, millions of met The best is from Mocha En Arabia The west is fava coffee. It is the seed of berry of the Caffee Arabica plant. The trees bear for 20 years. Coffee improves by keeping. Of pasting allers the character and TAKES PLACE SHOW the constituents of coffee It is first alle that the oil after roasting is not the same as before roading.

A Both or original val arminists The in maller amount foil 1/100 in ten Iso ooo in coffee. The mode of preparation of the be from coffee is no doubt influential, more coffee used than ten — the former is the stronger hot infining to pur in bethalt.

Offee probably acts mast upon
the garrylionic nervous system: les magin proportion, a the treen, injurion than thes. Sanguine temperation most, w nell. Films tombum tode to Contracted hears

Modeling Toly PRERARFOF COFFEE. AT CAFFEIN HOJOLATILE OIL. E-FFECTS OF ar G EXPTING, LINEVERSION HITT- SOPORHEIC pitation dansed by coffee. that coffee is not a desirable dris and experiments o diet. of Coffee in retarding tissue -I- depend altogether

excome is said to have prived that in wasting bulancel. & coffee, half its caffein the outs is lost, or et least encoffee & than in tea transformed into methyl. int foil 100 in ten - anne (Cy H5 M). Ging de of preparation of the be acelate of methylanous to patents, he found it to increase arterist ten to the stronger hot inputer of - hong and sometimes to Cruse megularit 1 pulse. But though bably acts most upo aubert de us the loss of normous enstern: led more proportion, on the breen, Dome constitutions feel coffee much more injurion than others. Sanguine temperarent most, or sanguine nervous, The verious when exchanged hears

CAFFEIN MOJOLATILE OIL. ST FFECTS OF incuration the SOPORIEL Litin affer - and spensor fritation caused by coffee. It shows that coffee is not a desirable drinks Letiman's experiments on ions, showed that coffee causes a important begging on medicine & diet. of coffee in retarding Tissue - Chargo Then effects do not depend altogether

A Alech often lest -Spain in all is dank yellow, Nest, I am laver pole will Rio for Mosel, grand or en) Collection benest Blue andrea, the The be fee him ? Swrite But serials on of the Comellen The good, the obmes, who repeated the say if you who Justille after and spines? 70 led magin inforten a the brain, injurion Hox others. Sanguere temperament most, or sanguine nervous, The vervous when exhausted hours

Roading which should more to browning; as that chars & party dellars) 185-COFFEE DIL unchanged. Heavis oaston 34, and boilers it. Just before the boiling and caffein Coffee contains affein isomeric with their, but in a title there is more portion a title oil which is more powerful their what of the work is note that their that of the an onesiles excitement. It humases The circulation. When we want to keep awastern there is nothing mortered of Bornes, It has been found by experiments, CONTROL That coffee increases the pressure of the heart more than any other sub. PARPITATION Stance. How This may explain palpitation caused by coffee. It shows that coffee is not a desirable drinks teliman's experiments on the excretdecrease in wear This fact has an important bearing on medicine & The effects do not depend altogether diet.

A technolo some other impredients whose nature to the may be not well understood, down in Areform coffe from the seeds, more strength of the are teathe more of a constral & coffee a gont stimular Depression an hour or two after benefict; the Payers clerical with England, "where the understand of the about the state of the state the same opinion but they were neither than the first Musicano anthanitariano. Si Capa sund Capacidado.

COMPOSITION INS to suppose that it was is food for allow force. It has no nitrogen, but carbon outgen, and hydrogen. It also contributes to the fatty lissue. By jadded something nitrogenous it assists the other higher tissues. It water than the can live longer on set swater than on water alone. A woman lived zweeks on branding water. Cornaro, ume daily. See dristic. The first effect of alcohol, is exhibite ordenien er. Dr. Johnson said, he would not like to be deprived of his glass of wine. The "When wine is in, wit is out." The reason why men laugh more at a dinner with wine is because they are more leasily a ? SPEECHES mused. Speeches, made at dinners, have cold water one; although those of the wine The next state is intoxication; applause zy, in which the drinker is out of his own control.

For Board Preside Just Machille Cx car. Deline home Chronic alcoholismus e.g. - Circhesis of lives - Tratty Degender of Heart - Alterions of actioner - Brights Drawn of Kitnings, De. Symptoms: Aldrinamin The State of Septing, A let gout is uncommon in the Frank wines (Bordeaux) more arthritic? (Mrs Wirschfeld). 873. lested first cost to other throw of language in regard to it. So do Parkes the tentum and B. W. Richardson was the time either hoth accord to the mode samount of use.

The last-stage is come or dead-drunkenones. The pupil is dilated; being opposed
to opium, in which it is contracted. Delirium tremens is Obseffeet of con-DELIRIUM S timed excess. This is garelany fatal, top Another effect is Fout. Alcohol clime GOUT. lates digestion and assimilation. Too much nitrogenous food the them. The oxidation of my met sufficient. Thus wie acid is formed in excess, and, in being thrown off whithe joints of the toes causes gout. The strongest-alcohols do not-cause gout is worky the wines & seers When now Fullsese diseases froming Dorgans of the body, as hier, heart, to Alcohol is stimulating to the circu-SMALL DOSE, lation, and to the nervous system, In large doses it is oppressive and LARGE narcotic. There is a great difference be-DOSE, liveen a large and a small dose. The importance of proper doses, is much

God of 10th Lecture, 1870. I Is alcohol appropriated, or proceed through Vion allehyle Duchel S. Party ograted & I to designed. Varying with anot & concumin, when marcotion occurs, no appropriation. It is, I think, probable, that the conditions in which ofcohol does good in disease are those in which excessed reful oxidation is going on; as in the over-combustion, byrexia, of low fevers. Then, the carbon & hydrogen of the also. that, give in small amounts, may be oxidized, saving the block of tissues; but I the amount of alcohol be more than can thus be used, It remains in the blood as alcohol, & narcotizes or even moderate In health alcohol, in large doses love Jea and Coffee mercase temperature. [Swam water] and lot bour.

servere in wany chimelants. Examples: opung - Hotters. neglected Ir of the atmos Alcohol retards the change of tissue.

ANCE OF Dr. Hammond, who tried it on himself. found that less is were given off his re-3 landatura desirers Kind of change let I Tof muscle or br cohol makes the 2ndy Passive wa CHANGE. sleep & wakeful 12 . shown by their the. end of the win This waste is o sickness. This eland like morphia, 9, When this wa sive len the case as health, stimulants musely wholespead I may explain the rise of tea & coffee and alcohol. Therefore, there is a place for alcoho

Gud of 10th Lecture, 1870. I & alcohol appropriated, or present through Win Aldehye (Duchels) - Partly operated & Fre the descriptions. Varying with among K carcumina, when marcothern occurs, no appropriation. It is, I think, probable, that the conditions in which alcohol does good in dreams are those in which excessed, rapid oxidation is going on; as in the over-combustion, byrexia, of low fevers. Then, the carbon & hydrogen of the also. the give is small amounts, may be oxidered, sowing the flood of these ; but I the amount of alcohol be more than can thus be used, - it remains in the blood as alcohol, & narcotized or even moderate In health alcohol, in large doses lover To a d Coffee merces temperature. (Swamp Watson Vanta Torth four Tea and Coffee were temperature.

consequence in wany chimelants. Examples: opium, - Hotters. neglected Ir & ofte whose ALCOHOL RETARDS Alcohol retards the change of tissue.

CHANCE OF Dr. Hammond, who tried it on himself, I so found that less were given off 13 were given off Landahandesire this re o kinds CHANGE Of change. 1st. action. the system. Si scohol s bar of his; al 2ndy Passive health. CHANGE. sleep & wakef even it has arra at the shown by to coinning end of the w roby in This waste is l relands sickness. The Francis enjo? like morphia as is of When this herfeelsive len the case health, stimulants much wholespeaked This may explain the rise of tea & alebhol! Therefore, there is a place for alcoho

admitted by Parker & Anetice are separted by Parker & have resembled approached about non destruction of alected (asserts by D) in the body.

Son Richard Ling Age, April May 1872. 10th Lecture, 1870. rested, or present through Leremants (Lellemand M) pro while I latty operated & mong with amont & carcuming us, no appropriation. It tat the conditions in which also are those in which excessed y on; as in the over-combustion, byrexia, of eou fevers. over, the carbon & hydrogen of the also. that, ma in small amounts, may be oxidered, sowing the Rook of theses; but I the amount of alcohol be more than can thus be used, I remains in the blood as alcohol, & narcotized the brain. or even moderate In health alcohol, in large doses tom Tea and Coffee nurses temperature. [Som my Water How I as the four.

consequence in went timelants. Con ples: opun, - Hotters. neglected Ir of the utin Alcohol retards the change of lissue. CHANCE OF Dr. Hammond, who tried it on himself. Found that less were and carbonic acid, were given off the grestionoxis, is this related to the given of the greation of the system. Standard of muscle or the system. Standard of muscle or the system. Standard of muscle or this; all the system. Standard of muscle or this; all the system. Standard of muscle or this; all the system. Standard of the water of the standard of the water of the standard of the water of the system of the sy ACTIVE Of Change 1st PASSIVE CHANGE. Sleep & wakefu even in hard mary up? like morphia When this c as is of sive len the case zerfeelhealth, stimulants range wholespeaked The may explain the rise of tea & alebhol! Therefore, there is a place

Ds. E. Smith, Snow De 10th Lecture, 1870. Davis; Latherent, Penne X Dury & Parcy are juster writed, or Jonesed through as assetty in appropriate t alcohol is not truety Derunato (Lellena & M) pro oxedward in the blocks usheld) - Partly operated & Bocker Moleschott the it partly exorates mying with amount & concumbin, unchanced & partly home curs, no appropriation. It in the blood, that Wo chand that the conditions in which at-Pront that Oby in Great is first are are those in which excessing ny on; as in the over-combustion, byrexia, of low fevers. Then, the carbon & hydrogen of the also. tel, gon in small amounts, may be oxidered, saving the block of tiesenes; but if the amount of alcohol be more than can thus be used, - it remains in the blood as alcohol, & narcotized the brain. or even moderate In health alcohol, in large doses tome to and lefter mercero temperature. (Som my Water for lar sport born, The and Coffee morans temperature.

neglected Ir a fitter at the atmost consenses in using this land ! 99 Eyer ples: open, & botters. ALCOHOL retards the change of tissue. CHANCE OF Dr. Hammond, who tried it on himself. found that less were and carbonic acid, were given off The question is, is this re-ACTIVE of change. 1st. That produced by action the system. Stimulants increase this; al 2ndy Passive waste; which goes on in CHANGE. Sleep & wakefulness, sickness or health; even it hubernating animals; as is shown by their weighing less at the Ind of the winter than at the beginning. This waste is variable. It is faction sickness. This it is that alcohol relands, like morphia, quinine, coffee, &c. Toning up? When this waste is excessive as is of see len the case as very few have perfect health, stimulants much skolepand This may explain the rise of tea & coffee and alcohol. Therefore, there is a place for alcohol,

Tank physicians have a serious responsi bility in advising it — to do it always interiorally brother for for formally brother brother brother formally brother brot See Report of Am. Assa. [gth alimentation, 1871-19th Course of Sup. of Inebr. Asylume - [or 1872. Is intemperane a come, or a disease? Mostly both, I in 1100 in 21,5; " author of a very able took or oruse and a half of a an oruse to an oruse to be beneficial with the standard to the half of a week to the daily will be beneficial with the season of the the season

even out of the siek room. I safe must Dr. Tay says that wo man should take alcohol winless advised by a physician DR. RAY'S ADVICE. Testoters often say alcohol does noggod. This only injures their cause, as the only safe way is tweth. Precisely the same principles apply to alcohol as to coffee; but as it is a The Wonited States is the only country where coldwater is the national drink. THE U.S. In Southern Ourope wine, and in Northern Courope spirits, date its place. There is used in Germany and England, y layely. In the latter country there is a la-EXCESS mentable excess taken. Tile lately, there has been an improvement. Join Bown at Oxford" mentions a first of beer as ANS The Americans are the most-temperate per the world whose who are advanced in years,

and physicians have a serious responsibolity in abreem of the November Substitute of Soo British Physicians 10th 1868.

The Report of Am Association of Substitute of Superior of Am Association of Substitute of Am Association of Am Ass for 1872. Is intemperane a come or a disease? Mostly both, In 112 man Indeed in England author of very other to an owner to be beneficial and with the first for an owner to an owner to be beneficial and with the same to an owner to an own

even out of the siek room. We safe in not Dr. Ray says that as man strongs take DR. RAY'S ADVICE. alcohol unless advised by a physician Jeetotlers often say alcohol does no good. This only injures their cause, as the only safe way it truth. Precisely the same principles apply to alcohol as to coffee; but as it is a The United States is the boiling country where coldwater is the national drink. In Southern Europe wine, and in Northern Europe shirits, lake its place Their is used in Germany and congland, my layely. In the latter country there is a la-ENGLAND, mentable excess taken. Luite lately, there has been an improvement. (Tom Bown at Oxford" mentions a first of beer as ANS The Americans are the most temperate in the world who have the withose who are advanced in years,

Foreign Beverages Malays, &c.... Arrack From Rice or Areca Greeks &c.... Raki Rice Hindus Toddy Cocoa met Palm. " Murwa..... Millet Arabians &c. ... Joseph Willet Poles, Sc..... Vodki. Potato Chinese Samshoo Rice Japanese Sacie Rice Frejees Ava Yong Pepper. S. Americans.... Chica Maize Mexicans Pulque Agave " Aguardient... Agavane West Indians... Guarapo.... Asign Marke Tartars..... Koumiss.... Maris Milk.

203 WHO SER Or have feeble constitutions, or are over-ALCOHOL Worked, or underfed can with safety take alcoholing only in carefully must the quantities.

But as physicians, executives X book into the matter of father.

SE DE IN LICOHOL WORKER dispensions, which the case of percentures, semicrophics.

BURNS, LEMORRHAGE, dispension to the case of percentures, semicrophics. REMORRANCE, SHUSSATION hemorrhages, typhus & typhoid fevers, and revers, and consumption to the formal tell fix the fearing on both higgine and medicine. The old laws of stimulation was OLD OF STIMULATE that every slimulant is followed by a corresponding depression. If this were true stimulants would be ban-Thus suppose a man to be 1° above death and takes astim what which raises him to 2? Afthe law were true he would fall back too. or death. This is rediculous, of sover infaired of stimulation. The firstbreath which a child takes is caused to big cold air stimulating the surface. The circulation of the blood, respiration,

204 There are, indeed, four different effects) not differences in degree of the same action) while alcohol may produce, according to the Tose and commetances of the administration. 1st simply stimulant; with smalles fores. 2" what Dr. Chambers calls an arresthetic action; more exactly, if there were such a word, hyp & ethetie. (Describe Villustrate.)

against excusion friction or mony - overfatique.

Vin some cases of insomnia, to. inebriant - intoxicating; i.e. causing an active, I either foolish or violent temporary delivering which we call being drunked. It hypernarcotic; probuer dead drukenno a coma, which may be fatal at the time. Children are sometimes so possons to death (Such a case in 1876 in thicken)

white body and in fact nearly everything is carried on by stimulation, therefore this law has been modified and we now have The true law all stimulation of an NEW , RW. organ berjond to normal degree, is HAS ALCOHOL TENDENCY IS, is there any inherent property in & alcohol, to produce intemperance? does WENT IT DEPENDENT TENDENCY. This depends on excess, growing out of the depression conse quent on excess, here are those, who though not siek, are weak, and these ned stimis fed every hour on alcohol and TYPHUS FEVER. yet on recovering feels no disposition to become intemperate. In this condition, it does not produce inloxication. A young officer brought to the hospie

Protest against Stimulism: 2. All more of the stands. properly delete or wife alcoholic beverages come sometimes in properly advised; " Old age, 2. Teetle constitutions, original) 4. Complements, opposites, be. throng upulate quantity there forger the dangers.

assue were greatly unckened. He stated that it was presumable that the animal had been slaughtered within a brief time after being infested. It had been ascertained by experiment that from one to three months must elapse before the capuntil he was given alsules become opaque. Portions of this same ham, which had been cured and like opening in this resmoked, were eaten uncooked by a family at Harrisburg, all the members of which were taken violently ill upon the third day, one of the cases terminating fatally in less than a week's time. The communication & by the system, its received did not state what symptoms the patient had presented, but generally, in those rare cases where the are lost, It certaixn disease proves so rapidly fatal, there is wiolent gastroenteritis, with more or less pronounced peritonitis. Usually trichinosis assumes a much slower progress, Theman would, after giving rise to intense muscular pains and ædema, simulating muscular rheumatism. take alcohol for a Dr. DE F. WILLARD presented the specimens from a case of chronic tubercular pleurisy with large effusion, and when the nocesfrom A. B., male, 28 years of age; admitted to the Presbyterian Hospital May 23, 1874. Walked to the hospital, and did not complain of much fatigue. The ould have no inclina only history gleaned from him was to the effect that he had had what he called an attack of "pneumonia" Cases I have often Rumm. (undoubtedly pleuro-pneumonia) about three months previously, which detained him in bed for several weeks. His health had been failing for some months previous to alcohol is excess to one this attack, but since that he had been totally unfit for work, although he has not been under a physician's care. health, Korn it by any mens always On admission, his left thoracic cavity was found full of liquid, but no further examination was made that night. The next day he was seized with violent dyspnæa, and died within less than twenty-four hours from the date live in adversery of admission. Just before and immediately subsequent to death a large amount (a pint) of thin frothy fluid was by bad advice. They should remem. ber their responsibility. Todden Stemulin. YTITIAND The elements of danger of intemper FREQUENCY, MME OF AND ance are quantity, frequency and DRINKING. lime of day. The signs of excess are an increase in the pulse a flushed face, and an effect on the brain. The danger from quantity does not QUANTITY, inclease simply but as the equa of the quantitity. If a man takes two glasses the danger of intemperance

206 The leading physiologist We B. penter, of London, has been a most staunch ad ocate of "temperance." But he has been too much for himself, and has furnished Dr. Parkes an account of his own case for publication: "After having been a water-drinker during all the earlier part of my life, and enjoying a fair measure of health and vigor, I broke down about ten years ago under the pressure of excessive work, and, besides a local disorder, I then suffered from a total loss of appetite and enfeeblement of the digestive power, so that my whole system was undergoing a rapid lowering. My medical friends recommended me powerful tonics, combined with three glasses of sherry daily, and on this regimen I improved even more rapidly than they expected, and was able in a month's time to enjoy a tolerable dinner, gradually reducing the quantity of wine I took with it. They had at first expected that I should be obliged to winter in the south of Europe; but I rallied so fast that this idea was soon abandoned, and I was able to return to my work after a three-months' absence. Ever since that time I have taken a couple of glasses of light claret with my dinner, and this fluid suits me very well. I often reach home very tired, and feeling as if I could eat nothing, and I am certain that without this little 'fillip' I should eat nothing. The question lies, therefore, in such cases, between the use of the slight alcoholic stimulus and the inadequate nutrition of the body, and I cannot myself doubt which is the least of what I am willing to admit to be two evils.' Upon this Dr. Parkes says, "Coming from such a man, this evidence seems to me indisputable, and, coupled with that derived from watching patients with weak digestions, I think may be called conclusive." in consider the countries with wants by by delate of might alcoholic beverages may sometime advised; the ento rom, 2. Teekle constitutions, original) cause, 3. overwards - but to feed 4 Constants poppeties or. throng regulate green the dangers.

207 al, was delirious until he was given al-cohol. It is just like opinion in this respect. When needed by the system, its poisonous effects are lost. A certaixn CASE OF A CONSUMPTION Consumptive gentleman would, after a hemorrhage, take alcohol for a couple of weeks, and when the nocessity was over would have no inclinalion for it. Similar cases I have often known. Overy drop of alcohol is excess to one HEALT H. Thysicians often err in advising the ERRORDA PHYSICIANS use of alcohol. They often ruin men by bad advice. They should remember their responsibility. Toddien Stemulum. The elements of danger of intemper ance are quantity, frequency, and lime of day. The signs of excess are an increase in the pulse a flushed face, and an effect on the brain. QUANTITY. The danger from quantity does not includes simply but as the square! of the quantity. If a man takes two glasses the danger of intemperance

208 A Agrappears to make this difference, - that early in life there is the least need of climalation, with the greatest susceptibility to its action. There is therefore increased danger of intemperance, in the young, what they are express, by excess, to it. Young drinkers go, usually, more rapidly from bod to worse than older ones. Early to intemperance nearly always makes a short life in the strong in praise of sime before his life in the taken in the interior of doces: in health, to much. one glass of wine may refresh a weary man, two exhibitante, & three make him merry; Six
may randed him foolish twelve, mane for the line,
and more many bridges as a sot: while the figure of
superition of large would almost final new. For hypewise effect, in debitity, no alcoholic dose ought the felt at all, as alcohol, - but only as food; by invigoration and refreshments

209 will be four times as great as if he took only one. FREQUENCY. The same applies to frequency of a man takes toogparen once a year, there is little danger; if once in six months, there is not much; once in 3 months, it looks dangerous; if once a month, it is more so; if once a week, it is probable that soon he will retire every night in unconsciousness. The time of day has some effect. Old topers often moralize to younger, telling them not to take anything before 120 clock. This is based on expe. DOSAGE. The importance of dosage Though be property estimated. When a patient is advised to take alcohol, the dose should be alexangentiated) A hygienic dose should HYBICANIC not be more than half the convivial quantity. Half a glass of wine, or half a tumbler of ale, is enough at-Intemperatance as a disease has received

* J. J. Troubite - vagabonds". "I would sell out heaver for something warm To ease this homble imand sinking! > Constains Case -* In the spins I had the pleasure of being of Thanking the the time of the process of a bill by our Legislation ging additional forces to the Course which enable the control of the person Of a hebitual inclurate & l. give toute up hands for his restraint, Care and reform a retreat for the purpose, for while a property his been longher some meter for our city. It Andle A spend before in 1867, It is now in full operation, at Media: the Sanitarium !!

2 forms - Paroxygenal & constant) 211 DIPSOMANIA. many names, dipsomania, oinomania oinomania methomania. It is a fearful malady in its effects and power towne is almost- a miracle, and after its cure relapse is approve colairs. The only INEGRIATE'S way of preventing it is an inebriates granted for a similar Botherton hars The value of such an institution is great. Long sechision is necessary. The most solemn promises are unavailable. OBJECTION. Several objections have been urged against such assinstitutions. In the first place, it is said that it could never be made large enough, but because we cannot do good to all, it is no reason why we should not do There are two classes who should not take alcohol in any form. Ist. Those who have ever been intemperate, and. Shore who have a hereditary tendency to intemperance. Such families undoubtedly exist.

End of 13t Lecture, 1873, -40 minutes long, Pasteur, however, in 1872, asented before the Frank academy the discovery of a fungord vegetation parasitie or the skins of the grapes, whose presence in the junce is the cause of the fermentation. It is his theory that all knuds of fermantation sputhefaction are produced by the presence simplement of minute vegetable or animal 2/3 organisms, - amalogous to the yeast-purps - torula or 50/3 saucharomyces cerevision. A difficult question to settle: + But 100 dintage can format love les stant. Beers are usualty grain fermenter hours -Spirits are always Institled from either of these.

MERENI Ne now pass to the different kinds of BEVERAGES, al coholic beverages. They are classed beers, wines, and spirits. WINE Extremal pauses wines, by spontaneous & SPIRITS. fermentation; and spirits by distillation from wines. Then grape sugar ferment it is converted into alcohol and car-Beer is made from matted barley. BEER. The grain is allowed to germinate. By melants of theat the starch & gluten are Enough solutte. The former is converted into desetrin & then into sugar. and the gluten is converted into diaslase which acts on the sugar. One hundred pounds of starch will make one of diastase. It the proper mo-Then bruised, put in water fat whom If is boiled, and hops added, 54°-64° and allowed to ferment for days.

Geset plant torula - of sile Liebip "Catalysis" or proported mobiles months. 26th Lecture Both ? De recession & Does vital force en control change or action to quently, in material outside of the organism? I vez. & anim, lefe, me must, by the same mans, exclude any organic matter, dead & pritrofactions, in the atmosphere. Which exclusion, in such case, is the cause of the absence of fermentation or futual returned, I

Lager is made by a slower ferment ation at a lower temperature of contains some turpentine als for the cases in white vegetation afficient to withe wind in diameter. We do not know its conrection with fermentation.

INGREDIENTS

The alcoholing funds of beer war water, BEER. BEER. aloohel from 1 to 1/2 per cent from WATER. beers), In porter 3'2-5'2 her cent; brown-ALCOHOL, stout 5/2-6/2; strong ale, 5/2-10. Del al. SUGAR. ways contains sugar which turns a little sour when it is kept. It has also surren. soluble glitten will and salts as sulphate, SALTS. phosphates, & chlorides. There are about 13 grs. of solds to a pint. Beer has from 4 to 8 per cent- of nestrative matthe principle of hops is in it Bitter tonce. cotic) It is said that lager will not intoxicate. It- produces a shipid to fior. FALE ACID Beer also contains free acids, acetic, carbonic lannic, lactic, & mallic,

* Philadelphia ales are of tente, good (1871) than N was 10 years ago. English ale is rather better yet; Bass' pale ale for exportation - & Oxford ale - rather famous. not accustomed to it, but using I on account of debrelity - from 2 to 4 floured orances, - i, c. from a small wring larged to the trembleful, at dime or bed time. For a woman, from 1 to. 3 flindowners. Lager bear, hyprenie dose 3 to 5 fludomores. happy in this counts now often has in N Cocculus Adiens & other adulterations; so testified in a case in court by a brune, in 1873 or 1874.

HAY FEVER. THOMAS C. HOOVER, M. D., of Bellair, Ohio, writes to the American Journal of Medical Science in all aboutas follows: -" Miss M. E., who had been suffering from recurring attacks of catarrhus astivus for eleven years, To be hygien consulted me as to what means she should try for hould HYGIENIC BEER. be clear and relief. The disease had uniformly recurred on the or of down t and pad a man duration of sid My no acid taste Ale and beers are the best forms of alcohol for convalescente and dys prepsia; but their qualities vary with the manufacture, out exercise causes gout, selictioners soldon. GOUT. With most people, ale agrees bet-ALE BETTERTHAN PORTER. ter than porter. The latter differsion strength. It is colored by charred malt or burnt sugar. Brown stout & astrong pale. Lager is good if pure, as any heer. LAGER. The adulterations of beer, are CARB. Soon first, hearbonate of soda. It is ad. ded to old beer. and Sulphuric acid cocurus, ss. to clarify it. Ind. Coculus Indians bernes, which is dood userough to destroy vermin best via rised as an adulteration.

GRANNS OF SE. 411 In Congland, grains of marinetics. are used. They are narcotic sinjurious. 5th. It is said probably wrongly, that stricknia is used in angland.

PICRIC ACID IN LAGER BEER. - Some of the German brewers have found that pieric acid is a cheap substitute for the wholesome bitter of the hop, and are making the poisonous pierate of ammonia do h duty for lupulin. Whether the trick has been tried in this country we do not know, but it is well to state a means of detecting it which Pohl has discovered. Unbleached sheep's wool' is steeped for a few minutes in the suspected beverage, and assumes a canary-yellow color if pieric acid be present. Alendon * Philadelphia ales are of tently good (1871) then I was to years ago. English ale is rather letter yet; Bass' pale ale for exportation - & Oxford ale - rather famous. not accustomed to it, but using I on account of debility. - from 2 to 4 floured ormers, - i.e. from a small enry larged to the tumbleful, at dime or bed time. For a woman, from 1 to . 3 flustomers. Lazer bear, hygrener dose 3 to 5 flundomiss. daper in this county now often has in N Cocculus believes & other adulterations; so testified in a case in court by a brener, in 1873 or 1874.

of solids left on evaporation, 2/7 in all, about 30 grs, to a print. HYGIENIC To be hygienically good, beer should be clear and not very bitter; having no acid taste. Ale and beers are the best forms of alcohol for convalescente and dys prepsia; but their qualities vary with the manufacture? out exercise causer goul. Delir tremms selson. With most people, ale agrees bet-PORTER ter than porter. The latter differsion strength. It is colored by charred malt or burnt sugar. Brown stout & a strong pate. Lager is good if pure, as any heer. ABULTERATIONS. The adulterations of been, are CARB. SOOR. frust, hearbonate of soda. It is ad. COCULUS Indices ded to old beer. End. Sulphuric acid coculus to clarify it. Ind. Coculus Indices benus, which are good Washoogh to destroy vere orning both oir ised as an adulteration.

GRANNS OF SE. 45th In England, grains of relations.

are used. They are narcotic Ginjurious. STRICHNIA. 5th. It is said frobably wrongly, that stychnia is used in England.

man & june of a tree (milk tree)

Dr. Parks says it would not pay to sait Eurissities of beverages require mit CORTOSITIES BEVERAGES. mentioning. In S. America, maize MAIZE. beer is made either like our making or by chewing the grain, and spitting it out, allowing the salivary diastase to ferment it. Sometimes it is made in company, all spitting into one receptacle. Oles make once, pear , Spine offle juice; In the Fifi islands the same thing is done. It is remarkable that two peoples so distantly removed, should have the same custom. A company of girls makes the king's ava, every morning (hage 117.) of the Tartary This name is also Tactic acid is abundant in miller beer. It resembles mich beer. The Himalayans draw this through apipe after the manner of sherry cobbler. Paragray tea is taken in the same way, a I amenia.

End 11th Lecture, 1870 Cut 10th Lecture on alimentation, 1871 - 1871 - 1871 -Metheglin?

The quass of the Russians, is a strong Koumiss is made from mare's mick, which has more sugar than cows. It contains lactic acid in now in phthisis. WINE. Wines we made try spontaneous fermentation. Sometimes this is very vapid; in grape pulger tothis world an hours sommer with open air. Cider, being formed by spontanous CIDER. fermentation of apple piece, is a wine Mallic acid is its characteristic. It sours soon and is not a drink. It should not contain more than 9 her ct. rot alcohol It is not mutrading to any extent. Grandy is often added to make the ef. Thimation remarks apply to perry made from pear juice. It is said to be used to adulterate wine. MEAD & Mead is a pleasant, mild drink GRAPE. But the most important him wine huje. that made from grapes. The quality varies, depending on many causes.

222 O But judges so not find then get to equal those afen was a setted from Europe. Prime Blot, in an article in the Talary, a few lines french Quanty of their equality; but I few his french Quanty of the disposition to please Americans, there got the better of the Critical taste. Met some Catanda wine, non made (1873), is really very fruity & good, and of a beautiful color. 1875, and cellent glatande wine is made in Enessee valley N. M. state. Winous fermentation best at about 650 fahr A gentleman who had ensited the Island of Madeira bld me that then x Ut. J. Baston told me that in belig medican hil Sell saster medium quality is "aged" or make stores, to 150° or 160°, for Promoths at a time. 6 years of keeping. To a critical taste honor such winds have some smoky taste, not quite Pasteur, when, a rapid from of meturns was by heat. I believe it is simply exposing it for a day of two

Pinean a champagn grap. 223 CAUSES

VARIATION.

If depends on the kind of grape. CerKIND OF GRAPE.

COLUMNATE. A warm climate and a contain soil are

SOIL. necessary. Our country is not deficient

in these. Balifornia produces the best.

LOCALITY. American wines. Focality has some ef
fect. Just as the best-cotton can be raised on the coast of S. Carolina, only, sternberg so with grapes. Johannesberg grapes are raised on 100 acres of land. steinberg grapes on a small tract alex SEASON beason and culture make a difference. CULTURE Time of gathering: - should be just TIME OF CAMPERING, when rife; as citric acid is in un-FERNICHMENT MINE Of Secretary. Mode of fermentation, TEMPERATURE, temperature at which it is made, temperature at which it is kept, be. - all affect it (alety, they have been able to make all new wines old by a quick-procession. and give a red ador to wine. In Italy, red and white wines can be

Johannisher wareauthis 40tilos acres only a would west & fore trying punhasande there - for 5 aust Emp. to Print million anguedoc Mo Languetoe Konssillor, France Muscoline

of wine in the United States amounts ior, round numbers to 20,000,000 gallons, Call fornia, the largest producer, yields one to fornia, the largest producer, yields one to this amount, 5,000,000; Ohio about this amount, 5,000,000; Ohio about 10,000,000; Naw York, 3,000,000; It Thue scier tain It s ing cause wit the Gr ines are red obt tille wh ter wh WINE 15 di IMPROVED th KEEPING. PER CENT ALCOHOL. 24 per cent 15-25 PORT SHERRY MADEIRA MARSALLA BORDEAUX CLARET BURGUNDY. CHAMPAGNE. MOSELLE RHINE. Stronged Muchan uno essian / hine HESSIAM ungarian, HUNGARIAN Italian ITALIAN. 14,-19

Wine Justinets of the Rhengan - v tolors tradifiers Johnmistery somewhat 40 the area only a month was Last write the death only Surely Su take of the Rhene to a Summandery Richardson Audisente the for 5 flows of Exception, I tentry grand Replent Empt Pour actions Mere Gram, Stewberg, anguetoc Marion Topolar Jan. blockery . -Mest after the Schor -lacker Muerstein, Burganity over grow of decemberry profuse a jed wine; the rast in Languetre Konsellor, France, 12th Leture 1867 11th, 1868. End of

Thud scient the united states amounts in the United States amounts of wine in the United States amounts in the wines shall entire one owner to exemption fo shall charter are owner to exemption it such property in all other places.

Changing Church Numes.—In the Legislature of New Jersey, at its last session, a act was passed authorizing any church, in corporated by the laws of the State, change its corporate name or title, and a sume another name or title, by a resolution research at a preciper of the trustees; so the lin Greer alt obtaine e tilleries o which ist passed at a meeting of the trustees; sucresolution shall be certified under its col which, of WINE 15 porate seal, and or yeu in the same mann as deeds for lands are required to be prove distiller to IMPROVED the res and a proof s 27.8; \$ "-Malber and, when filed in the office of the cleerk KEEPING. and, when fied in the olice of the electrical the county in which such church is situate, such corporation shall thereafter be known and may bring and defend actions and suit at law or in equity by such new name. The assumption of the new tittle, however, does not release said church from any debt or of PER CENT he ligation previously incurred.

Gloucester City.—On Monday evening ty
men, named John Doyle and Edw. O'Har he ALCOHOL. ou busing the slip-tender at the fe 24 per cent. 15-25 PORT SHERRY MADEIRA MARSALLA BORDEAUX CLARET BURGUNDY CHAMPAGNE. MOSELLE RHINE. sean Amine HESSIAM ungarian. HUNGARIAN Stalian 14, - 19 ITALIAN.

THE NATIVE WINES produced in the United States are estimated in round numbers at twenty millions of gallons. Califor-Johannich of source weeks nia, the largest producer, yields one-fourth 40 tilos acres only - www. lakero this amount, five millions; Ohio about onesixth, three and one-half millions; New 7 York three millions; Missouri and Illinois each two and one-half millions, and Pennsylvania two millions. In these six States are produced all the wines of the country, excepting about one million and one-half of gallons raised in smaller quantities in the bunderente there - for 5 planis other States. Wines are produced, however, in some quantity in nearly every State and Territory, 20,000 gallons a year being credited to New Jersey and 5000 gallons to Delaware. and his many The annual value of our wine crop is about \$14,000,000. alle the schare lacker Sheestern aust Emp. to 1 1 sold (1872)

It was recommanded that the annual production in the United States amounts in of wine in the United States amounts of wine in the United States amounts. Callr. In our wine in the United States amounts of wine in the United States amounts of wine in the United States amounts, New York, 3,000,000; inc. & rosso, Thud scient tainin being caused It seen wines the lin wines are nec Greer a Marsala obtaine. tilleries which v termixt Western Freity which, WINE 15 distilled IMPROVED the resi Good women in forme the bad of tome ! KEEPING. ded Mel. and a Tokay Buta, proof s 27.8 ; \$ Malbed PER CENT OF in Herry day alcohol to ALCOHOL, 24 per cent. 15-25 PORT Veryny MADEIRA CLARET To Musent or museuro BURGUNDY. Chos not a local 13 6. CHAMPAGNE. 13 MOSELLE RHINE. instrance. Mu not Hessian 1 nine .0.2 -HESSIAM Hungarian HUNGARIAN Stalian 14, - 19 ITALIAN.

Whest Rhone unes these of mountain sites of Rich Lein Stinte Johnmishery works with 40 the acres only a word have have ; for Oxeans west and some times only sure baller out a or Martheyst grape, or for retire Rhive purhasent the for the flower of new stem by Rother Litter & August Empt & Promised and a color angueloc 10 sold (1812) from adder bery; then thertechning Whiterberg; all from Riesling grape jighthour. after 21 that \$14.23 per Carelane good. Languetoe Konssillon, France, 12th Leture 1867 11th, 1868, Convil.

It is estimated that the annual production It of wine in the United States amounts hDr. of wine in the United States amounts hDr. of round numbers to 20,000,000 gallons. Call to fornia, the largest producer, yields one-to fornia, the largest producer, yields one-to one-sixth, 3,500,000; New York, 3,000,000; rit. Missouri and Illinois each 2,500,000, and the propulsing 3,000,000. In these six States 3D being caused It set Pennsylvania, 3,000,000. In these six States an are produced all the wines of the country, ng the seconting about 1,500,000 gailons raised in smaller quantities in the other States. E. Gree wines are produced in some quantity in ce nearly every State and Territory, 20,000 obta gailons a year being credited to New Jersey, tiller and 5000 gailons to Delaware. The annual development of the value of our wine crop is about \$14,000,000. wines are neo which termixture of adventitious spirits. The samples which, the chief inspector states, were carefully WINE 15 distilled over by an officer of the department, and IMPROVED the results ascertained both by specific gravities KEEPING. and a well adjusted Sykes's hydrometer, yielded Mel. but him hydrometer proof spirit as follows :- Reisling, 24.5; Muscat, 27.8; Shiraz, 27.8; Verdeilho, 29.0; Sheraz, 29.0; Lypes PER CENT lowing proportions of alcatro ALCOHOL. in wines! by weight Port wine 16,6-24 per cent, 15-25 PORT SHERRY Sherry MADEIRA Madeira 16.7-22 MARSALLA Marsalla BORDEAUX Bordeaux & Blanet, 7. - 18 CLARET BURGUNDY Townsyundy 7.3 - 14 CHAMPAONE. Champagne 5.8 - 136-MOSELLE Moselle 8.- 137 I hime 6.7- 16 3-1 RHINE. Hessian Thine 10.2 - 15 HUNGARIAN Hungarian ITALIAN Stalian 14, - 19

NOTICE TO STOCKHOLDERS.

Board of Directors has this day declared a haual dividend of FIVE PER CENT, on the stock of the Company, clear of all taxes, payay 30th, dividend will be paid to ladies only; hat date they must await their turn with stockholders.

k Powers of Attorney can be had at the Office Company.

EDMUND SMITH,

Treasurer. Ati colore ex-Ba bhamiden was At I will bunides of ste or wa IZENS' BANK,
For Deposit, Discount and Savings,
outheast Creared of Second and Race streets.
CAPITAL, FULL PAID, \$100.000.
SKHOLDERS LIABLE, AS WITH NAWHOLDERS LIABLE, AS WITH NAunts respectfully solicited and liberally accom-Ma Schu Mar)f 40 tilos acres only Plove trees weekle there -Mapolent on has ust Empit 11572 1 N. sold (late empre) Naport Carre Symmeteld

It was recently stated in Australia by Dr. Thudicum that it was impossible, according to b scientifiic theory, to produce a natural wine containing more than 26 per cent. of proof spirit. It seems certain, however, that the Australian a being caused wines contain a percentage of alcohol exceeding the limit fixed by Dr. Thudicum. Messrs. E. Greer and Co., of William-street, Melbourne, have wines are red obtained a report from the chief inspector of distilleries, on samples of Albury wines submitted, which were certified as being free from any intermixture of adventitious spirits. The samples which, the chief inspector states, were carefully hold, wine is a limited over by an officer of the department, and WINE 15 IMPROVED the results ascertained both by specific gravities and a well adjusted Sykes's hydrometer, yielded med which the bad places by W. proof spirit as follows:—Reisling, 24.5; Muscat, KEEPING. 27.8; Shiraz, 27.8; Verdeilho, 29.0; Sheraz, 29.0: lyses show the fe Malbec, 28:6; Carbinet, 27:5 PER CENT lowing proportions of alcohol to be in wines (by weight)? ALCOHOL. Port wine 16.6-24 per cent. 15-25 SHERRY Sherry 16. - 25 MADEIRA Madeira 16.7-22 MARSALLA Marsalla 15- - 25 BORDEAUX Bordeaux & Blance, 7. - 186-16. CLARET BURGINOY Burgundy CHAMPAGNE. Champagne 5.8 - 13 5-15. 8.- 13/11" MOSELLE Moselle 6.7- 16 5-10 of hine RHINE. Hessian Thine 10.2-15 HESSIAN HUNGARIAN Hungarian 9. - 15 Italian 14, - 19 ITALIAN.

SO CASES Caks and Golden Tobacco. ssrs. H. Jones & Co. will sell SATURDAY, Johannistery woods Boxes Baking Powder 40tilos acres only - would be or Cases French Brandy Cases Huntley & Palmer's Biscuits BY ORDER OF SHIPPERS. Upholsterers and House Furnishers. levelle there - for 5 planis SATURDAY MORNING Messrs. En Mapleman of his Manufactory JONES & Co. will offer at Sale TO REMOR OIL CLUTHS aust Emp. to Prim million 100 of Clate of M. sold (1872) from other el wre good Languedoc Monssellon

Ath same name, - blanco & rosso, had, the difference being caused by the skins. Some wines are red from the juice benn naturally so. If it does not spoil, wine is im-WINE IS INFROVED BY Keeping. and wine in the body to the fol-He Later analyses show the folin wines (by weight)? PORT Port wine 16.6-24 per cent. 15-25 SHERRY Sherry 16. -25" MADEIRA Madeira , 16.7-22 " MARSALLA Marsalla 15. - 25 BORDEAUX Bordeaux & Blanet, 7. - 18 6-16. BURGINOY. Burgundy 7.3 - 14 " CHAMPAGNE, Champagne 5.8 - 13 5-15. 8.- 13 / U" MOSELLE Moselle 6.7- 16 5-15, RHINE. Rhine Hessian Mine 10.2-15 " HUNGARIAN Hungarian 9. - 15 " MALIAN. Stalian 14. - 19 11

226 Strength of Spirits. STRENGTH Brandy, 50-60 per cent. alcohol Whisky 50-60 " Gin 49-60 " Rum 50-60-77 ... Chances of Living. Intemperate CHANCES Semperate LIVING. = 15.6 years At 20 = 44.2 years 30 = 36.5 " = 13.8 ", = 11.6 " 40 = 28.8 ... 50 = 21. 25 " - 10, 8 " .. = 8.9 ... 60=14,285 !! LENGTH OF THE AFT Average Length of Life afte BEGINNE AFT - Beginning of Intemperance. In Mechanics & Laborers ___ 18 years. Merchants & Traders 17 " Professional ment of Case 15" F'emales 14. "

Lecture XI. Justed and worker WINE. The constituents of wine are our AND. SUGAR. Was lettingar, When there is little TOKAY, sweetest- is to kay wine. Parthas a CHANPAGNE, bout 16 grs. to a gallon; champagne, SHERRY, 6-28 415; Madeira, 6-20; sherry, 4-20; Moseur, claret, Moselle, for very little. FREE ACID. 2nd. Free acid, raceric, tartaric, acetic, citric, tansis, cartonic, and fatty acids. Counthic ether (I part in 4000) is present in wine, Bouquet I but this also p. V. 5; as there is something else which eve cannot tell the nature of. Wine also contains salts, as tarof lime, phosphate of magnesias. The order of wines according to their amount of free acid, from the least to the greatest is: sherry, pot, champagne, claret, Madeira, Burgundy, Moselle, and of hine. MOSELLE RHINE. Wine is less nowishing than beer. It has been no gluten, no netrogen

I Mygranic dose of wine for debility, -Madeira, Sherry, Port, about I fluid owne; Clout or Rhine wones, - 2 fluid ouvers, Champagne I would now advise for and used. It is the least friendly to dejister (in my opinion) I all wrows, unless the Sourcest hock.) there know would to I London there are it least time as many spirit druky establishments as been and wine stops together. When whisky, gon or brandy costs by the places or the bottle no more, or me tees, than wore, - the inducement is to get the stranger, & this more stimulus for the money; while the rapid Her of spirits sooner begets thatity of intemporary,

ous of and occionity for a chusetts Board of Health. In both offices he is said to biller or nareotic priniple have been most efficient. Fine of a Druggist.—A Paris druggist has just been NOT TORICOR fined five hundred francs for selling, without an order oporific Ilfrom a physician, pastiles made of calomel. Hydrophobia.—According to M. Bourrel, a vetericaling the inary surgeon at Paris, canine rabies may be prevented by blunting the canine and incisor teeth of the animal. rages135, \$197) GOUT. He has tried it. d, with water ABLER FIN. In Bremen, a sum of money has been collected to offer as a prize to the discoverer of the most economical WATER. neutralize aciditi and æsthetic mode of performing cremation. SPIRITS. underson Rokitalsery of Vienna, has had the whom from hogwood &c. Port is LCG-WOOD. oftener adulterated than any other. hence its use is abandoned in medicine. Manifest wines. Lete almost Champagne much contested Wine is anti- scorbulic Jehman proved this many years ago, verified by expellence during A question of general hygiene, is whether it is an advantage to have cheap wines. Two views are in wine countries there VIEWS. intemperance. On the other have is favorable to temperance. The spirits is perhaps own to cold climate. The excess is greater than we wone Best was for marine we: Therry - Closet - Brost Will Cent Dow Rhene Wines wollow

A Mygrenie dose of wine, for debility, -Maderia, Shing, Port, about I fluid owne; Clout or Rhine wines, - 2 fluid owners, Champagne I would now advise for and use. It is the least friendly to degister (in my opinion) I all writes the sourcest hock.) there there wire MEANS OF DISCOVERING WHETHER RED WINES ARE ARTIFICIALLY COLORED OR NOT .- M. de Cherville, in Le Temps, gives the following useful hints for deciding whether red wines are or are not artificially colored: "Pour into a glass a small quantity of the liquid which you wish to test, and dissolve a bit of potash in it. If no sediment forms, and if the wine assumes a greenish hue, it has not been artificially colored; if a violet sediment forms, the wine has been colored with elder or mulberries; if the sediment is red, it has been colored with beet-root or Pernambuco wood; if violet-red, with logwood; if yellow, with 'phytolac' berries; if violetblue, with privet berries; and if pale violet, with sunflower.". A London there are it least time as many spirit druky establishments as been and wine shops together. When whiskey, gin or brandy costs by the place or the bottle no more, or one tees, then wore, the inducement is to get the stranger, & this more stimulus for the morey; while to rapid Host of spirits sooner begets thatity of intentioner. I believe cheap light ames to be an availage to a country,

from any biller or narester pringle. nor resoner It is not lonic or soporific It-is more excelling & into icating the beer GOUT. It produces gout (hages 135, 197) Wine is adulterated, with water SPIRITS. spirits, lime salts (to neutralize acidity, and in port, logwood &c. Port is oftener adulterated than any other, hence its use is abandoned in med-ANTI-DUTIC. Wine it wines he te almost Champagne much constitute. Wine is anti- scorbulic Jehman proved this many years ago, and years verified by experience during the Eninean war. A question of general hygiene, is whether it is an advantage to have cheap wines Two views are taken. couraged. In wine countries there is mentemperance. On the other have It is favorable to temperance. The tendency to spirits is herhaps owing somewhat to cold climate. The dispo sition to excess is greater than with Best was for hyginic use: Therry-Closet-Brosfledy wene.

End 14th Lecture, 1873. * Agane Americana: It floores once in 10 years, in a warm climate; at much long internals in the colder. "Continy Plant," A Contains trimelay famin - allied to the propulation of fish-brune.

GUARAPO is made from suigar cane. In Mexico a wine is made from the maquey plant A hole is out in the pulgue, stem, and the sap allowed to flow. Cach plant yields about 8-15 pints daily for two or three months This Julque soon gets a felid odor and taste which are very disagreeable un AGUARDIENTE til trabituated to it Aquardiente is distilled from it. In the Gast & TODDY. in S. America, toddy is made from the sap of the palm tree in the IIII. The next in order come spirets: BRANDY. brandy, whisky, gin & rum wished Drandy is distilled from grape wine. The best Cograc is from the best wine. It is wistringent; and when more available than the other Whis key is oblained from grain, as barley polatose. It is often flavored by heat emoke. Ompryreumatic

ingredient is very positively deleterious. See Richardson, Living Age, May (or April) 1872 -

233 perhaps cresente matter is to this · It- contai · Rum o RUM. asses. et is the rito. Lin GIN emetimoother ar diwellso; the ucertain. PREFERABLE balion, but ana theyshou eltozetke cial org EFFECTON will bad cossistelirium LIVER. Lindigestie iver BREATHING It acts o the amou Musales haled, & Man CHATISS hower. tissuc, oftent a morbid extent. As regards the climination of alcohol, some say that it passes

artificial Essences (Healt, 1873) hitro buscol is artificial ord Of Chilles almondo" Is has in no presenced in it, - but to poisoner in dose 18 of July or when long whaled. (Orlay bitter almos can be quite and of prossic and and thay for April) 1872, ough alings they - as by repeated distillation of Caristic potassa.) Butwice other, in chold, is pointed essence. Pelayour other (Onanther ette) is alcohol in greence essence. acatate of anylie other wakes a govelle pear essence. Valenande of amyle ether, apple weene. mixture of aretate of ample other with butyre other, barana essure. Other simila. preparations que Deveral other front eximes, - strong resplans curally apriest, se;

233 perhaps viente ; ; "." matter is often put in to imitate this It contains butyric ether, usuilly. GIN Gin contains oil of juniper and smethor around to the spirits. wellie: though like other stimulants of the kidney, uncertain WHENARE whomen some states as rentreme pros AS an article of regimen on health cial organs did has been found: STOMACH, It harden's the stomach, altering balassistion. Of the engine of appelle LIVER. indigistion. The species of the liver BREATHING It acts on respiration, morandong the amount of carbonic acid, en-MUSCLES haled. It prostrates the muscular CHANGES prover. It retards the change of tissure, oftent a mortil extent. (As regards the Elimination of alcohol, some say that it hasses

234 Chrotice By to Big all walnut to every officer !

the Duckete has asserted the oder the 235 that I aldelight, not alcohol. unchanged. It is true that much does It is exhaled from the lungs Where the system needs it, no such exhalation takes place: win low fever.) We softenie acathirist permanent satu-COMBUSTIN vation of all the tissues. When this is the case, spontaneous combust ion resultation appoint for not sportaneously. The average length of life se are given in the tables (hage 226.) Newson. The younger intemperance becomes a habit, the sooner the downfall. We will now attempt to answer the question, are there circumstan ces in which spirits are advantage expelorations, In Many, Hays, 239 Hooker (Antaretic) & say thaseinjurious. Dieppe, find themselves better without they are disadvantageous. In extremel heat the same thing EXTREME HEAT. is asserted by Dis. Carpenter, Jackson, 237 and Martin. The rapid deaths of the English in India are owing INDIA. to this cause. So great is the mortal ity, that the ration of spirits has DI. PARKES. been reduced one half. Dr. Farkes advises abolishing it altogether. MOHINGENE. Florence Nightingale is confident that is the great preventive of the acclimation of the British. EXTREME 3rd. In entreme falique. In ship wreck, coffee is better. In war it is a settled thing. In the war of 1812 Surgeon Wann protested a gainst its use As coffee is the soldier's best friend, so spirits may be called his work enemy, In the Enmean war, Sir John Hall. asserted this. Part of the corps of CERMANIC FOR the Germanic Confederation had spin its and part had not. Of those who had, the average of deaths was 2.17 per cent while of those who had not, it was 1.27 per cent-MALARIA. 4th Does it protect from malaria?

Dir. Orake of Ex stinence is beti YELLOW 5th Gellow FEVER. out victims a ards. CHOLERA. 6th. Choler drunkards o one else.)* In spile consumed of flarification of Treat Britain, alone 25,000,000 gallons ENCLAND a year are used, or in England, SCOTLAND 3/9 gallons per head, scotland 2/9, ENGLAND, Dieland 1/2. Ireland has the Dr. Johnson explains it by saying that the Oeltic race is morelycitable, more easily into xicaled, and that the intempleance occurs in those who suffer from want of food Since the lime of Father Matthews MATTIMENS. there has been an increased consumption of spirits in creland.

Mpuall Ingalon Thinks sin the count · annel per head oft populat in U. Sx 1966 has estimated that I in 100

of the Vineland Railroad, and accepted a position on the New Jersey Southern pres Boar Orrake of Cincinal the made by the Council Ledger. to er ing addi roek used-6 part Boar stinence is better. FROM WASHINGTON. amer try, WASHINGTON, Oct. 30. YELLOW 5th Gellow fever. conk wher ht po to-day, that in compliance with his Rega arst, made on the recommendation of the ing h or pissioner of Indian Affairs, he had issued the I ous victims are the s light with a view of suppressing illicit rule the Indians. Th ards. ANALYSIS OF ORES. mad supposed tin ores received at the d Office from Utah Territory, bjected to a chemical analysis, west 6th. Cholera. Ut-is man ble assay, but in neither case Bailing trace of tin be discovered. light drunkards die Rooner ce with President Grant, togiish. budition of that Territory, and sin certain Southern States, as ma. obser one else. tion In spile of Its COBISUMED, amount flearifine In & Great consumed of Britain, alone 25,000,000 gallons ENCLAND a year are used, or in tengland, SCOTLAND 3/9 gallons per head scolland 2/6, ENGLAND Preland 12. Ireland has the reputation of great-intemperance. br. Johnson explains it by saying that the Celtic race is moreth. citable, more easily into xicaled, and that the intempleance occurs in those who suffer from want of food Since the time of Father Matthews FATHER MATTHEWS there has been an increased consumplion of spirits in Ireland.

THE SALES OF LIQUORS in the United States during the fiscal year ending June 30th, 1871, it has been calculated by Edward Young, the Chief of the Bureau of Statistics, amounted to six hundred millions of dol-lars. This total is made up as follows:— Sixty million gallons of whisky, at six dollars a gallon retail, \$360,000,000. Two and a half million gallons of imported spirits at ten dollars a gallon, \$25,000,000. Ten million seven hundred thousand gallons of imported wine at five dollars a gallon, \$53,500,-000. Sixty-five million barrels of ale, beer, and porter, at twenty dollars a barrel, \$130,-000,000. Native brandles, wines and cordials in unknown quantities, it is estimated have been consumed, involving an exr diture of \$31,500,000. These figures, alth not so large as some that have beer lished, yet give a total that should a the consumers of ardent spirits. Tr of six hundred millions of dollar would in less than four years pa National debt, or if invested in internal improvement, would con the unfinished and projected worl United States.

PTION OF ALCOHOL IN FRANCE, Dr. Jolly, a French statist, announces that the consumption of spirituous liquors and Dr. Orake of Cincinal alcohol is making rapid progress in France. In 1788 there were but 4,400,000 gallons of alcohol sold during the entire year, but in 1840 this amount had swollen to 22,000,000 gallons, stinence is better. and in 1863 to 66,000,006 galions. In 1840 the consumption of alcohol in Paris was equivalent annually to seven quarts for each in-YELLOW 5th Gellow fever habitant, but now the average is twentysix quarts. Dr. Jolly says that 300,000 Paous victims are une 33 del progress and note as precisely as 1 6th. Cholera. It is certain that drunkards die sooner than any one else.) *
In spile of this the amount consumed of flearified on & Great one else.)* CONSUMED, Britain, alone 25,000,000 gallons ENCLAND a year are used, or in England, SCOTLAND 3/9 gallons per head, Scotland 279, ENGLAND, Ireland 1/2. Ireland has the reputation of great-intemperance. Dr. Johnson explains it by saying that the Celtic race is morelycitable, more easily into xicaled, and that the intemperance occurs in those who suffer from want of food Lines the lime of Father Matthews FATHER MATTHEWS. there has been an increased consumption of spirits in exeland.

draws emorators, the agreeable privacy of nversation ceases, and you become the delaimer to a small sydience. The effect of this samost inevitable to silence your companion, articularly if that companion be a lady, and fordinary lady-like sensibility. There is an phosite extreme of all this, however, which is equally to be deprecated. It is pitching the roice so low, and using so little tone, that renarks have thresomely to be repeated; morever. Imparting to the conversation a confidraws emunica ited tard dies, lol-Jollli at be an narks have thesomery to be repeared, in de-ver, imparting to the conversation a confi-ential character, by which, when combined with a certain bending de enting towards the person with whom you are conversing, we have seen ladies excessively and justly 10801-10,-War, innoved. It should be Jerer, at twenty dollars a barrel, \$130,-000,000. Native brandles, wines and cordials in unknown quantities, it is estimated have been consumed, involving an exr diture of \$31,500,000. These figures, alth not so large as some that have beer lished, yet give a total that should as the consumers of ardent spirits. The of six hundred millions of dollar would in less than four years pa National debt, or if invested in internal improvement, would conthe unfinished and projected work United States.

Gir. Orake of Eincinal stinence is better. DAY MORNING, JULY er VELLOW 5th Gellow fever. Gettlgan, who shot James Carroll, tMk-keeper, in the hand, and severely worth progress and note as precisely as 1 ous victims are unother 6th. Cholera. It is certain that one else *

In spile of this the amount consumed of flearifine on & Great CONSUMED, Britain, alone 25,000,000 gallons ENCLAND a year are used, or in England, SCOTLAND 3/9 gallons per head Scotland 27, ENGLAND, Dieland 1/2. Dieland has the reputation of great intemperance. Dr. Johnson enplains it by saying that the Celtic race is morelycitable, more easily into xicaled, and that the intempleance occurs in those who suffer from want of food Since the lime of Father Matthews MATTHEWS there has been an increased consumption of spirits in Ireland.

DEATHS FROM INTEMPERANCE.-The statistics of the General Life Insurance Company of Loudon, it is aunounced, prove that if one hundred thousand intemperate and persons from fifteen to seventy years of age be compared with one hundred thousand olpersons of regular habits, thirty-two of the olformer class will die as frequently as ten of a nithe latter class. Out of one hundred thousand of each class 16,907 of the intemperate, tit is said, will be dead before the age of fifty, in the and only 4266 of the temperate. The proportion and only 4266 of the temperate. The proportion of the deaths of intemperate to temperate persons, it is calculated, is, therefore, 130,-Jihirty-two to ien. in unknown quantities, it is estimated. have been consumed, involving an exp diture of \$31,500,000. These figures, alth not so large as some that have beer lished, yet give a total that should as the consumers of ardent spirits. Tr of six hundred millions of dollar would in less than four years pa National debt, or if invested in ? internal improvement, would conthe unfinished and projected work United States. S. P. Mulatin is a drunks

Dir. Orake of Cincinalion Philadelphia, Tuesday, August 4, 18 The Boston and the Centennial.

The Boston (1600) recently contained following: Now, shall the Centennial hibition of 1876 be a success? It is a titing thing that at that period in our tonal history we should, for our own to ascertain where we stand among the to ascertain where we stand among the thous of the earth. It will all us in the forts of the future thus to take an account our progress and note as precisely as 1 stinence is better. YELLOW 5th Gellow fever. ous victims are unos our progress and note as precisely as 6th. Cholera. It is certain that drunkards die sooner than any one else.)* one else *

In spile of this the amount consumed of fleariful In & Great CONSUMED, Britain, alone 25,000,000 gallous ENCLAND a year are used, or in England, SCOTLAND 3/9 gallons per head, Scotland 2/9, ENGLAND, Ireland 1/2. Ireland has the reputation of great-intemperance. Dr. Johnson explains it by saying that the Celtic race is morelycitable, more easily intoxicated, and that the intempleance occurs in those who suffer from want of food Since the time of Father Matthews MATTIMENS. there has been an increased consumplion of spirits in creland.

LOS years any chusetts. Flip and toddy were sinful drinks ne also much in vogue with our abandoned and cestors. Madeira was the favorite wine all over the country, and rum punch found favor without distinction of party. The latudents of Harvard were allowed "in a sober manner to entertain one another and strangers with it," the correction having decided rum punch "as it is now commonly made, no intoxicating liquor." Nowadays Massachusetts courts decide lager beer to be intoxicating. Canit be that our heads nare so much weaker than our fathers'? Or There were plenty of chances to wet one's whistle in those days. One house in every ten in Philadelphia sold drink, in 1774. So the grand jury found.—F. W. Frost in the last Galaxy. have been consumed, involving an exr diture of \$31,500,000. These figures, alth not so large as some that have beer lished, yet give a total that should a the consumers of ardent spirits. The of six hundred millions of dollar would in less than four years pa National debt, or if invested in internal improvement, would conthe unfinished and projected work United States.

Dr. Orake of Cincinatti shows that abstinence is better. FEVER. out victims are unacclimated drunk ards. 6th. Cholera. It-is certain that one else) *

In spile of Ithis the amount consumed in flearified In & Great Britain, alone 25,000,000 gallons ENCLAND a year are used, or in England, SCOTLAND 3/9 gallons per head, Scotland 27, ENGLAND, Dreland 1/2. Ireland has the reputation of great-intemperance. Dr. Johnson explains it by saying that the Celtic ruce is moreckcitable, more easily intoxicated, and that the intemperance occurs in those who suffer from want of food Since the lime of Father Matthews MATTIMENS. there has been an increased consumplion of spirits in Ireland.